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MİLLÎ EĞİTİM BAKANLIĞI

İSTANBUL KANDİLLİ RASATHANESİ

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(Ekim, Kasım, Aralık)

Meteoroloji, Sismoloji ve
Miknatis Rasatları

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İSTANBUL

MİLLÎ EĞİTİM BASIMEVİ

I — Meteoroloji (Météorologie)

Yakup Elbek

Cetvel, grafik ve işaretlerin izahları 5 ve 8 numaralı mecmualarda bulunduğundan ar yazılmasına lüzum görülmemiştir.

Olayların aylık gidişi

EKİM

Basınç — 1/2 gecesi 754.5 mm. minimum kıymetten geçerek yükselen barometre 6 ncı gün 764.3 mm. ye kadar çıkmışsa da 6 ncı gün 756.4 mm. ye düşmüş ve 8 inci gün 757.1 mm. ye kadar 757 ile 760 mm. arasında devam etmiştir. 9 uncu gün sabahı 753.2 mm. minimum kıymetten geçerek ve yavaş yavaş yükselerek 11 inci gün 767.1 mm. olmuşsa da 12 ncı gün batı surette düşmeğe başlamış, 13 sabahı saat 3 te 762.0 mm. minimum kıymeti almıştır. Bundan sonra çok batı olarak yükselmeğe başlamış 17 ncı gün saat 21/30 da 765.5 mm. olmak üzere ayın mutlak maksimumundan geçmiş ve 21 inci gün 756.5 mm. almıştır. 22 sabahından itibaren yükselerek 23 üncü gün saat 9 da 766.0 mm. maksimum kıymeti almış, 24/25 gecesi 755.9 mm. ye kadar düşmüş ve 25/26 gecesi 761.5 mm. ye almıştır. 26 ncı gün sabahından itibaren düşmeğe başlamış 26/27 gecesi saat 23 ile 24/30 arasında 2 milimetrelilik bir çanak yapmış ve saat 4/10 da (749.6 mm.) olmak üzere ayın mutlak minimumundan geçmiş ve 27/28 gecesi 759.3 mm. olmuştur. 28 inci gün öğleden sonra düşerek 29 uncu gün saat 8/20 de 750.7 mm. minimum kıymetten geçmiş ve son olarak 762.2 mm ye çıkmıştır. En çok sapma 17.9 mm. dir.

Bu ayın ortalaması 760.5 mm. olup normal (762.8 mm.) den 2.3 mm. eksiktir. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1911 de 765.5 mm. ve minimumu da 1914 te 750.5 mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 21 inci gün saat 15/45 te 26°.4, mutlak minimumu da 31 inci gün saat 21/30 da 8°.2 olup en çok sapma 18°.2 dir. Bu ayın ortalaması 15°.0 olup normal (16°.0) den 1°.1 fazladır. Bu ayın maksimumlar ortalaması 21°.7 olup normal (19°.9) dan 1°.8 fazla, minimumlar ortalaması da 13°.2 olup normal (12°.9) dan 0°.3 fazla. 29 yıllık rasatlarda bu ay için mutlak maksimum olarak 1927 yılı birinci gün 32°.7 mutlak minimum olarak da 1920 yılı 30 uncu gün 0°.3 görülmüştür.

Bağıl nem — Bu ayın minimum nemi 21 inci gün saat 15/45 te % 28 dir. Bu ayın ortalaması % 73 olup normal (% 75) ten % 2 eksiktir. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1920 yılı % 81 ve minimumu da 1923 yılı % 66 dir.

Çökelek — Cetvelinde 12 gün yağmurlu görünüyorsa da bir günü yalnız 0.1 iki de 0.2 şer milimetre olmak üzere çok ehemmiyetsiz geçmiştir. Bu ay toplanan yağmiktari 48.2 mm. dir ki normal (79.9 mm.) den 31.7 mm. eksiktir. 29 yıllık rasatl içinde 1932, 1913 ve 1911 senelerinde sırsıyla 6.1, 11.0 ve 14.0 mm. gibi az yağışlı ayları görülmüştür.

Şiddetli ve sürekli yağışlar

Gün	Miktari mm.	Zaman ve müddeti h/m ilâ h/m	Ortalama şiddeti mm/min.	Maksimum şiddeti mm/min.	Maksimum şiddeti zaman ve müddeti h/m ilâ h/m
2	2.0	1/35 — 1/40	0.40	0.40	1/35 —
3	4.7	12/45 — 13/15	0.16	0.90	13/10 — 1
25	6.2	0/35 — 3/00	0.04	0.87	1/29 —
26/27	18.3	21/00 — 4/45	0.04	0.62	0/11 —

Fırtınalı günler:

Gün	Devam fasılası h/m ilâ h/m	Maksimum hızı m/s.	Yönü
9	10/30 — 16/30	20	S, SSW, SW, SWW,
25	0/30 — 0/45	15	SW
26/27	22/25 — 13/15	20	SSE, S, SSW, SW
29	8/10 —	22	S, SSW, SW, SWW,
30	— 21/45 }		

Toprağın sıcaklığı — 5, 10, 20 ve 50 sm. derinlikteki termometrelerin tahavvülündeki gibidir. Bir metredekinde bir intizamsızlık görülmüştür. 2 metredeki tam mevsim seyrine uyarak azalmıştır. Ay başında 19°.4 iken ay sonunda 18°.0 olmuştur.

KASIM

Basınç — Yavaş yavaş yükselen barometre 5 inci gün saat 7/40 ta (771.1 mm.) olmak üzere ayın mutlak maksimumundan geçmiş, 6 ncı gün 763.2 mm. ye düşmüş, 7 ncı gün sabahı yükselmeğe başlayarak 9 uncu gün 771 mm. ye kadar çıkmış ve aynı gün yarısından sonra düşmeğe başlayarak 10/11 gecesi 764.5 mm. minimumdan geçmiş, 11 gün sabahı 767.7 mm. olmuş ve 14 üncü güne kadar 765.7 ile 769.2 mm. arasında dola etmiştir. Bundan sonra yavaş yavaş düşerek 18 inci gün saat 4/10 da 756.3 mm. minimum kıymetten geçmiş ve 19 uncu gün akşamı 762.5 mm. olmuşsa da 20 nci gün tekrar düşmeye başlayarak 20/21 gecesi saat 2/00 de ayın mutlak minimumu olmak üzere (753.0 mm.) minimumu almış, 23/24 gecesi 768.9 mm. ye çıkmıştır. 20 nci gün saat 16 dan 21 inci gün saat 8 e kadar ufak tefek çanaklar görülmüştür. 24 üncü gün düşmeğe başlamış, 25 inci gün 761.3 mm. olmuş, 28 inci güne kadar 762.5 ile 765.5 mm. arasında seyretmiştir. 28/29 gecesi yükselmeğe başlayarak 30 uncu gün saat 10/30 da 770.6 mm. maksimum kıymeti almış ve gece yarısı 767.1 mm. olmuştur. En çok sapma 18.1 mm. dir.

Bu ayın ortalaması 764.5 mm. olup normal (764.0 mm.) den 0.5 mm. fazladır. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1920 de 769.2, minimumu da 1928 de 753.0 mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 17 nci gün saat 12/20 de 18°.6, mutlak minimumu da 27 nci gün saat 6/15 te 1°.6 olup en çok sapma 17°.0 dir. Bu ayın ortalaması 10°.0 normal (12°.0) den 2°.0 eksiktir. Bu ayın maksimumlar ortalaması 13°.0 dir ki normal 2) den 2°.2 eksik, minimumlar ortalaması da 7°.4 tür ki normal (9°.4) ten 2°.0 eksiktir. Yıllık rasatlarda bu ay için mutlak maksimum olarak 1917 yılı 13 üncü gün 27°.3, minimum olarak da 1914 yılı 30 uncu gün — 1°.8 görülmüştür.

Bağıl nem — Bu ayın minimum nemi 20 nci gün saat 14/20 de % 32 dir. Bu ayın ortalaması % 79 olup normal (% 77) den % 2 fazladır. 29 yıllık rasatlarda bu aydaki ortalamasının maksimumu 1924 yılı % 86, minimumu da 1923 yılı % 67 dir.

Çökelek — Cetvelinde görüldüğü üzere 15 gün yağmurlu geçmiş, çiy ile birlikte 3 mm. su birikmiştir ki normal (100.0 mm.) fazladır. 1922, 1928 ve 1919 senelerinde sırasıyla 191.2, 187.1 ve 168.3 mm. olmak üzere bu senekine nazaran çok yağışlı kasım ayı görülmüştür.

Şiddetli ve sürekli yağışlar

Gün	Miktarı mm.	Zaman ve müddeti h/m ilâ h/m		Ortalama şiddeti mm/min.	Maksimum şiddeti mm/min.	Maksimum şiddetin zaman ve müddeti h/m ilâ h/m	
4	12.4	18/20	— 3/00	0.02	0.10	1/30	— 2/00
8	24.3	2/15	— 13/00	0.04	0.77	3/58	— 4/01
11	9.5	6/00	— 18/10	0.01	0.08	12/20	— 12/38
22	16.9	22/45	— 13/00	0.02	0.28	23/56	— 24/00
23	43.8	17/00	— 18/00	0.03	0.14	5/20	— 5/30
26	15.0	6/45	— 13/30	0.04	0.17	9/20	— 9/40

Fırtınalı günler:

Gün	Devam fasılası h/m ilâ h/m		Maksimum hızı m/s	Yönü
7	10/15	— 15/00	15	NE
19	7/30	— 15/30	14	NNW, N
26	9/40	— 13/00	17	NNW

Toprağın sıcaklığı — 5, 10, 20 ve 50 sm. derinlikteki termometrelerin tahavvülleri aydaki gibidir. Bir metredeki mevsim seyrine uyarak düşmekte iken 14 16 nci günler arasında sıcak geçen günlerden müteessir olmuş ve biraz yükselmiştir. İki metredeki mevsim seyrine uyarak muntazaman düşmüştür. Ay başında 18°.0 iken ay sonunda 15°.8 olmuştur.

ARALIK

Basınç — 1/2 gecesi 760.3 mm. ye düşen barometre 3 üncü gün akşamı 764.1 mm. ye çıktıktan sonra 4 üncü gün 761 mm. ye düşmüş ve 7 nci güne kadar 759 ile 761 mm. arasında devam etmiştir. Bundan sonra yevmi tahavvüller ile biraz düşmüş ve 9 uncu gün saat 4/40 ta 756.2 mm. minimum kıymetten geçerek 12 nci gün 765.5 mm. ye kadar çıkmışa tekrar düşmüş 13 üncü gün 760.7 mm. olmuştur. Bundan sonra çok batı suretiyle selerek 19 uncu gün saat 10/20 de (773.2 mm.) olmak üzere ayın mutlak maksimumunu almış, 21 inci gün saat 15 te 750.0 mm. minimum kıymetten geçmiş, 22 nci gün akşamı 760 mm. olmuş, 24 üncü güne kadar 770 ile 771 mm. arasında muntazam devam etmiş, 25 nci gün saat 10/30 dan itibaren düşmeğe başlamış, 27/28 gecesi saat 24/15 te (749.8 mm.) olmak üzere ayın mutlak minimum kıymetini almış ve 28/29 gecesi 764.3 mm. olmuştur.

29/30 gecesi 751.7 mm. ye kadar indikten sonra 30 sabahı 755.8 mm. ye çıkmış ve yatahavyüllerini yaparak 31 sabahı 752.4 mm. minimumdan geçmiş ve gece 764.4 mm. muştur. 27/28, 29/30 ve 30/31 geceleri ufak tefek çanaklar da görülmüştür. En çok sa 23.4 mm. dir.

Bu ayın ortalaması 762.3 mm. olup normal (763.4 mm.) den 1.1 mm. eksiktir. 29 y rasatlarda bu aydaki ortalamaların maksimumu 1932 de 770.3, minimumu da 1923 te mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 7 nci gün saat 13/30 da 19°.4, mutlak m mumu da 23 üncü gün saat 8/00 de — 2° 8 olup en çok sapma 22°.2 dir. Bu ayın ortala 8°.3 olup normal (7°.7) den 0°.6 fazladır. Bu ayın maksimumlar ortalaması 11°.1 dir ki mal (10°.4) ten 0°.7 fazla minimumlar ortalaması da 5°.6 dir ki normal (5°.3) ten 0°.3 f dır. 29 yıllık rasatlar içinde bu ay için mutlak maksimum olarak 1926 yılı 3 ücüc 21°.4 ve mutlak minimum olarak da 1933 yılı 24 üncü gün — 8°.9 görülmüştür.

Bağıl nem — Bu ayın minimum nemi 7 nci gün saat 18 15 te % 34 tür. Bu ayın talaması % 80 olup normal (% 80) e müsaavidir. 29 yıllık rasatlar içinde bu aydaki or maların maksimumu 1938 de % 86, minimumu da 1937 de % 72 dir.

Çökelek — Cetvelinde görüldüğü üzere 4 günü karlı ve yağmurlu, 15 günü yağn olmak üzere 19 gün yağışlı geçmiş ve bu müddet zarfında 261.8 mm. su birikmiştir ki 2 zarfında en çok yağışlı geçen aralık ayı bu senenindir. Bu miktar normal (114.4 mm. 147.4 mm. fazladır.

Şiddetli ve sürekli yağışlar

Gün	Miktarı mm.	Zaman ve müddeti h/m ilâ h/m	Ortalama şiddeti mm/min.	Maksimum şiddeti mm/min.	Maksimum şiddeti zaman ve müddeti h/m ilâ h/m
8/9	21.1	15/30 — 2/00	0.03	0.20	17/00 — 17/00
10	32.5	2/00 — 18/30	0.04	0.10	6/30 — 6/30
17	13.8	1/45 — 8/45	0.03	0.33	1/45 — 1/45
21/22	24.0	16/20 — 2/00	0.05	0.33	16/33 — 16/33
27	36.8	9/30 — 18/00	0.07	0.36	17/18 — 17/18
28	15.5	1/45 — 8/00	0.06	0.14	5/40 — 5/40
29	32.6	7/00 —	0.02	Sürekli	
30		— 5/00			
30	31.8	13/45 —	0.03	»	
31		— 10/00			

Fırtınalı günler :

Gün	Devam fasılası h/m ilâ h/m	Maksimum hızı m/s	Yönü
6	16/30 —	17	SSE, S
8	— 5/30		
21	18/30 —	28	N
22	— 15/00		
27	0/30 — 4/45	16	SSW
28	1/00 — 4/15	16	SSW, SW
	4/15 — 12/30	21	N
28/29	24/15 — 4/30	15	NNE
31	4/00 — 14/00	18	N, NE

Toprağın sıcaklığı — 5, 10, 20 ve 50 sm. derinliktekilerin tahavvülleri her aydaki gibidir. Bir metredeki ay başında $12^{\circ}.2$ iken yükselmeğe başlamış 8 inci gün $12^{\circ}.9$ olmuş, bundan sonra muntazaman düşmüş ay sonunda $9^{\circ}.2$ olmuştur. İki metredeki mevsim seyriyle uyarak muntazaman düşmüştür. Ay başında $15^{\circ}.7$ iken ay sonunda $12^{\circ}.6$ olmuştur.

YILLIK ÖZ

Basınç — Bu yılın mutlak maksimumu şubatın 4 üncü günü 774.2 mm., mutlak minimumu da martın 22 nci günü 741.4 mm. olup en çok sapma 32.8 mm. dir. Bu yılın ortalaması 760.9 mm. olup normal (761.6 mm.) den 0.7 mm. eksiktir.

Sıcaklık — Bu senenin mutlak maksimumu ağustosun 9 uncu günü $35^{\circ}.2$, mutlak minimumu da aralık ayının 23 üncü günü $-2^{\circ}.8$ olup en çok sapma $38^{\circ}.0$ dir. Bu yılın ortalaması $14^{\circ}.3$ olup normal ($13^{\circ}.8$) den $0^{\circ}.5$ fazladır. Bu yılın maksimumlar ortalaması $23^{\circ}.3$ tür ki normal ($17^{\circ}.7$) den $0^{\circ}.6$ fazla, minimumlar ortalaması da $10^{\circ}.7$ dir ki normal ($9^{\circ}.4$) ten $0^{\circ}.3$ fazladır.

Bağıl nem — Yılın minimum nemi temmuzun 26 nci günü % 15 tir. Yılın ortalaması % 74 olup normal (% 74) ye müsavidir.

Çökelek — Bu yılın birikintisi 10100 mm. olup normal (750.0) mm. den 260.0 mm. fazladır ki 28 yıllık rasatlar içinde maksimumu teşkil ediyor. 1922 ve 1913 yıllarında 977.1 ve 967.2 mm. çökelek kaydedilmiştir.

Tarih — Date Tarih	Barometre (O° ye ve O. D. S.) 700 mm +				Sıcaklık C° Température						Buhar gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat				Aktinom. C°		Güneşte Mak. Max. nair
	7	14	21	Or. Moy.	7	14	21	Or. Moy	Mak Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir	
1	59.8	58.1	56.0	58.0	14.7	20.2	16.8	17.2	22.5	13.0	11.12	13.46	12.95	12.51	89	77	91	86	23.0	25.0	48.6
2	54.9	55.0	56.5	55.5	20.3	25.0	20.9	22.1	25.6	18.8	13.87	14.28	12.59	13.58	78	60	68	69	38.6	46.4	48.8
3	57.6	59.7	60.6	59.3	19.9	22.3	19.3	20.5	24.6	18.5	14.57	15.22	12.34	14.04	84	76	74	78	33.0	39.0	53.3
4	58.7	58.1	60.7	59.2	20.1	24.6	17.5	20.7	25.6	16.1	12.76	13.70	13.26	13.24	73	59	89	74	38.0	45.6	46.5
5	63.5	63.9	63.9	63.8	15.0	16.1	13.6	14.9	19.6	12.8	11.89	11.80	10.05	11.25	93	86	86	88	21.2	24.0	40.4
6	59.3	56.8	58.4	58.2	15.0	22.3	19.3	18.9	24.6	12.0	12.03	12.22	14.15	12.80	94	61	85	80	26.8	30.0	45.0
7	59.9	58.4	58.3	58.9	16.3	21.9	16.9	18.4	22.4	15.8	13.68	14.81	13.61	14.03	99	76	95	90	36.0	44.2	48.5
8	59.3	58.9	58.6	58.9	16.3	20.5	16.8	17.9	25.4	15.4	13.24	15.32	13.97	14.18	96	86	98	93	34.4	41.8	49.3
9	54.3	54.0	57.0	55.1	19.8	20.2	13.7	17.9	22.5	11.8	12.79	13.16	11.44	12.46	74	74	98	82	34.8	43.2	45.0
10	58.7	59.2	61.1	59.7	10.3	16.0	11.6	12.6	17.2	9.4	7.00	7.10	7.28	7.13	74	52	71	66	30.4	38.6	45.2
1 inci onluk	58.6	58.2	59.1	58.7	16.8	20.9	16.6	18.1	23.0	14.4	12.30	13.11	12.16	12.52	85	71	86	81	31.6	37.8	47.1
11	64.3	65.8	67.0	65.7	10.7	14.6	10.5	11.9	14.8	9.6	7.34	7.18	7.11	7.21	77	58	75	70	29.4	38.2	41.8
12	65.5	63.6	63.3	64.1	11.5	17.1	13.4	14.0	17.5	10.2	8.29	9.29	8.77	8.78	82	63	76	74	31.4	40.0	46.9
13	62.4	63.0	64.2	63.2	12.7	16.1	12.7	13.0	16.1	11.4	10.97	10.56	9.43	10.32	100	77	86	88	23.3	27.4	28.6
14	63.7	62.7	63.6	63.3	11.7	20.1	13.2	15.0	20.4	11.2	9.52	10.28	7.89	9.23	93	58	70	74	34.4	43.4	45.6
15	63.5	62.7	63.9	63.4	12.7	19.3	14.9	15.6	20.0	11.2	9.43	11.61	9.92	10.32	86	69	79	78	33.2	41.6	44.4
16	64.7	64.5	65.6	64.9	14.5	21.7	16.3	17.5	22.6	13.6	10.03	10.04	9.36	9.81	82	52	68	67	35.4	43.8	45.8
17	66.7	66.1	67.4	66.7	15.4	23.4	17.9	18.9	24.6	14.7	9.90	11.72	6.66	9.43	76	55	44	58	36.8	44.8	48.3
18	67.1	65.7	65.6	66.1	14.3	24.9	19.3	19.5	25.8	14.0	10.95	13.03	12.64	12.21	92	55	76	74	37.8	45.6	49.1
19	64.4	63.4	63.2	63.7	16.1	23.2	19.7	19.7	24.0	15.4	12.65	11.07	9.81	11.18	92	52	57	67	37.0	45.0	47.5
20	62.6	60.5	60.3	61.1	15.4	24.4	18.7	19.5	26.2	14.9	12.49	14.14	10.96	12.53	96	62	68	75	37.4	45.4	50.0
2 inci onluk	64.5	63.8	64.4	64.2	13.5	20.5	15.7	16.5	21.2	12.6	10.16	10.89	9.26	10.10	88	60	70	73	33.6	41.5	44.8
21	59.0	57.4	57.4	57.9	18.4	25.4	20.1	21.3	26.4	16.2	10.58	9.62	9.29	9.83	67	39	53	53	38.4	46.8	49.5
22	59.6	62.2	64.7	62.2	17.0	19.0	14.2	16.7	20.5	14.1	11.68	12.52	12.09	12.10	81	77	100	86	30.8	38.2	49.4
23	66.0	64.5	64.5	65.0	13.9	18.6	14.3	15.6	19.0	13.4	10.79	12.03	11.35	11.39	91	75	93	86	27.9	33.6	45.1
24	61.0	58.0	56.6	58.5	13.6	23.0	20.7	19.1	24.6	12.2	9.79	10.15	9.63	9.86	84	48	52	61	32.2	37.4	48.2
25	58.7	60.2	61.2	60.0	14.0	11.9	11.8	12.6	17.0	11.0	11.53	9.90	9.09	10.17	97	95	88	93	13.6	15.0	21.2
26	60.8	58.3	52.4	57.2	13.3	18.3	15.3	15.6	20.0	12.0	10.36	9.52	11.30	10.39	91	61	87	80	30.6	38.0	47.5
27	51.7	54.6	59.0	55.1	18.1	21.4	16.3	18.6	22.0	13.8	11.03	11.84	9.49	10.79	71	62	68	67	34.4	42.2	44.6
28	59.2	57.6	56.7	57.8	15.4	20.7	19.5	18.5	22.2	14.2	9.63	9.77	9.79	9.73	74	53	58	62	33.8	38.6	47.8
29	51.1	52.3	57.7	53.7	19.8	20.4	15.9	18.7	23.2	12.3	9.05	8.56	5.45	7.69	52	48	40	47	33.6	41.6	46.1
30	59.2	57.1	59.1	58.5	14.6	17.7	14.4	15.6	18.2	13.3	6.57	5.72	5.50	5.93	53	38	45	45	31.2	39.4	43.5
31	60.4	60.3	61.8	60.8	10.7	15.3	10.0	12.0	16.8	8.2	5.64	5.56	5.80	5.67	58	43	67	56	22.6	27.4	42.4
3 üncü onluk	58.8	58.4	59.2	58.8	15.3	19.2	15.7	16.8	20.9	12.8	9.70	9.56	8.98	9.41	74	58	68	67	29.9	33.2	44.1
Toplam Aylık Ortalama	60.6	60.1	60.8	60.5	15.2	20.2	16.0	17.1	21.7	13.2	10.68	11.13	10.10	10.64	82	63	74	73	31.7	38.4	45.3

Ekim 1939

Tarih — Date	Rüzgâr — Vent																	Bulut — Nuage	Yağmur — Pluie 7 den mm.	Kar — Neige 7 den cm.	Düşünceler Remarques	
	Frekans — Fréquence								Süre — Durée [*]								Hız Vitesse m/s.					
	N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW	W	NW						Dagun
1	—	1	2	2	3	2	—	—	—	8	13	7	18	46	—	—	8	1.8	3.7	2.4	P ●	
2	—	—	—	—	—	2	1	—	—	—	—	—	—	73	27	—	—	7.0	3.3	—	T < ●	
3	—	—	—	—	1	2	—	—	—	—	—	—	46	44	—	—	10	3.9	4.0	4.7	●	
4	1	1	—	—	—	1	1	—	4	63	—	—	—	29	4	—	—	6.0	3.3	0.2		
5	—	1	3	2	1	1	—	—	—	2	48	25	9	8	—	—	8	5.2	7.0	—	●	
6	3	4	1	—	—	2	2	2	23	23	2	—	—	21	16	9	6	3.8	4.0	—	P	
7	—	5	5	1	—	—	—	—	35	30	4	—	—	—	—	—	31	2.7	4.3	—	P	
8	1	1	1	3	4	1	—	—	18	2	23	5	38	2	—	—	12	2.2	5.3	—	8 P	
9	3	—	—	—	1	2	3	4	46	—	—	—	15	10	5	20	4	5.7	4.7	4.2	● T < P 8	
10	2	—	—	—	—	2	4	3	40	—	—	—	—	13	22	3	17	2.8	1.0	—		
nci luk	10	13	12	8	10	15	11	9	13	13	12	4	13	24	7	4	10	4.1	4.1	11.5		
11	1	4	3	—	—	—	—	—	29	57	14	—	—	—	—	—	—	4.0	3.7	—	III P	
12	1	1	1	—	—	—	—	—	19	49	3	—	—	—	—	—	29	3.5	2.7	—		
13	1	1	—	—	1	—	—	—	42	43	—	—	3	—	—	—	12	3.6	7.0	4.2	8 ●	
14	1	1	1	1	—	—	—	1	6	1	17	23	—	—	—	11	42	1.5	0.3	—	P P III	
15	—	—	—	2	1	1	—	—	—	—	—	24	2	16	—	—	58	1.1	0.0	—	P P	
16	—	—	1	2	1	—	—	—	—	—	9	21	22	—	—	—	48	1.0	0.0	—	P P 8	
17	1	—	—	1	1	—	—	—	79	—	—	2	2	—	—	—	17	1.7	0.0	—	P P	
18	1	—	—	—	1	1	2	—	2	—	—	—	3	9	11	—	75	1.4	0.0	—	P P	
19	—	1	—	1	1	1	—	—	13	—	12	2	27	—	—	—	46	1.4	0.0	—	P P 8	
20	2	1	—	—	1	1	1	2	23	4	—	—	21	30	5	9	8	1.6	0.7	—	P 8	
nci luk	8	9	6	7	7	4	3	3	20	17	4	8	6	8	2	2	33	2.1	1.4	4.2		
1	2	1	3	2	1	2	1	1	12	2	21	4	15	40	2	2	2	3.9	1.0	0.1	P	
2	2	2	—	—	—	—	—	—	31	69	—	—	—	—	—	—	—	4.2	3.7	—	●	
3	1	1	2	1	—	—	—	—	25	14	32	2	—	—	—	—	27	4.2	6.3	—	8 P	
4	1	—	—	—	2	3	3	2	27	—	—	—	12	9	19	8	25	1.9	5.0	6.2		
5	2	2	—	1	—	—	—	—	23	72	—	5	—	—	—	—	—	5.4	7.3	6.1	●	
6	—	—	1	4	3	2	—	—	—	—	1	29	44	26	—	—	—	3.9	6.3	18.3	● T <	
7	—	—	—	2	4	3	2	1	—	—	—	44	10	18	21	3	4	9.9	2.0	—	●	
8	—	—	—	2	4	1	—	—	—	—	—	33	65	2	—	—	—	5.9	5.7	—	●	
9	—	—	—	—	1	2	1	—	—	—	—	—	2	33	65	—	—	12.3	2.7	1.6	●	
10	—	—	—	1	1	2	3	2	—	—	—	4	3	17	42	24	10	14.2	4.3	—	●	
11	4	—	1	—	—	1	3	6	57	—	1	—	—	2	11	24	5	3.6	9.0	0.2	●	
nci luk	12	6	7	13	16	16	13	12	16	14	5	11	14	13	15	5	7	6.3	4.8	32.5		
dam lik lama	30	28	25	28	33	35	27	24												48.2		
									16	15	7	8	11	15	8	4	16	4.2	3.5			

[*] Bir gün zarfında her hangi bir yönden esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi —
 Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

Tarih — Date	Barometre (O° ye ve O. D. S.) 700 mm +				Sıcaklık C° Température						Buhar gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat.				Aktinom. C°		Güneşe Mak. Max. noir
	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Mak Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy	Beyaz Blanc	Siyah Noir	
1	62.2	62.5	63.1	62.6	7.4	13.0	9.5	10.0	14.0	6.1	4.59	4.83	6.13	5.18	60	44	69	58	26.9	35.2	40.7
2	62.2	62.0	64.4	62.9	11.9	16.5	10.5	13.0	17.8	8.2	7.10	7.68	8.88	7.89	68	45	93	72	22.8	26.6	43.0
3	64.8	65.5	66.4	65.6	10.1	11.9	10.8	10.9	13.5	9.7	8.17	8.54	9.31	8.67	89	82	96	89	14.4	15.6	29.9
4	67.5	69.3	70.4	69.1	10.8	9.7	10.2	10.2	11.2	9.4	8.83	9.00	7.76	8.53	91	100	83	91	11.0	12.0	16.5
5	70.4	69.0	68.6	69.3	10.0	12.9	9.2	10.7	14.0	8.9	8.11	6.39	6.86	7.12	89	57	79	75	26.8	35.2	39.7
6	65.0	63.2	63.9	64.0	10.0	12.3	10.5	10.9	14.3	8.8	7.18	7.10	8.17	7.48	78	66	86	77	15.6	17.8	33.0
7	65.3	66.2	67.7	66.4	10.9	12.5	10.3	11.2	13.2	10.1	7.93	6.51	6.32	6.92	81	60	68	70	22.4	28.6	41.7
8	68.4	68.3	69.1	68.6	8.8	11.2	9.5	9.8	12.6	8.2	8.35	8.23	7.71	8.10	98	83	87	89	16.4	19.3	40.2
9	70.0	69.8	70.5	70.1	10.6	11.5	10.4	10.8	13.2	8.9	8.23	8.78	7.52	8.18	86	86	80	34	16.4	19.4	39.8
10	68.5	66.3	65.5	66.8	9.6	12.7	8.4	10.2	14.3	7.5	6.62	6.63	6.55	6.60	74	60	80	71	26.8	35.6	44.1
1 in-i onluk	66.4	66.2	67.0	66.5	10.0	12.4	9.9	10.8	13.8	8.6	7.51	7.37	7.52	7.47	81	69	82	78	20.0	24.5	36.9
11	65.2	64.8	65.7	65.2	9.5	12.7	10.7	11.0	13.6	7.5	6.24	7.94	8.41	7.53	70	72	88	77	18.0	21.0	34.0
12	67.0	66.3	66.9	66.7	10.1	12.6	9.7	10.8	14.7	8.9	7.58	7.16	7.47	7.40	82	66	83	77	24.0	30.0	41.2
13	66.2	66.3	68.3	66.9	9.1	14.6	10.5	11.4	16.7	8.2	7.72	9.20	9.49	8.80	89	74	100	88	26.6	34.1	40.1
14	68.8	67.6	67.5	68.0	9.1	14.5	10.1	11.2	14.8	8.9	8.64	9.39	8.41	8.81	100	76	91	89	24.0	29.8	41.0
15	66.2	63.0	61.7	63.6	9.9	17.1	12.7	13.2	17.2	8.0	8.88	10.10	9.43	9.47	97	69	86	84	29.8	36.6	40.2
16	59.7	58.7	59.6	59.3	13.2	16.1	14.3	14.5	16.5	11.7	9.51	10.70	9.76	9.99	84	78	80	81	24.0	29.6	31.8
17	59.4	58.5	57.9	58.6	13.3	16.7	14.1	14.7	18.6	12.8	10.36	11.17	9.75	10.43	91	79	81	84	23.2	27.2	43.0
18	57.4	58.7	59.7	58.6	9.0	9.4	7.7	8.7	14.1	4.8	8.58	6.51	5.66	6.92	100	73	72	82	11.6	12.6	20.3
19	59.7	68.9	62.2	60.9	6.7	6.3	5.8	6.3	8.6	4.5	6.26	6.08	4.81	5.72	85	85	70	80	7.8	8.8	30.8
20	61.0	57.0	55.6	57.9	4.7	11.9	8.0	8.2	12.0	2.8	5.27	3.93	5.39	4.86	82	38	67	62	25.2	33.4	35.2
2 in-i onluk	63.1	62.2	62.5	62.6	9.5	13.2	10.4	11.0	14.7	7.8	7.90	8.22	7.86	7.99	88	71	82	80	21.4	26.3	35.8
21	54.0	55.8	58.2	56.0	11.7	11.2	10.9	11.3	12.2	7.0	7.58	9.32	8.65	8.52	74	94	89	86	12.8	13.8	19.5
22	63.5	65.2	65.1	64.6	6.5	7.5	8.5	7.5	10.0	6.3	7.24	7.53	8.30	7.69	100	97	100	99	8.8	9.3	11.2
23	64.3	67.0	68.4	66.6	7.5	6.2	6.0	6.6	8.7	5.5	7.76	6.55	5.94	6.75	100	92	85	92	7.5	8.1	9.9
24	68.6	67.3	66.3	67.4	6.5	8.0	7.5	7.3	8.5	6.0	5.43	5.39	6.43	5.75	75	67	83	75	13.7	16.8	23.6
25	62.8	61.4	62.2	62.1	6.7	9.9	8.5	8.4	12.2	6.5	6.48	7.94	6.38	6.93	88	87	77	84	14.0	16.0	39.5
26	61.6	62.5	63.9	62.7	6.3	3.8	3.1	4.4	8.3	1.7	6.77	4.81	4.93	5.50	96	80	86	87	5.6	6.4	13.0
27	64.6	64.2	65.1	64.6	2.9	7.9	7.6	6.1	8.1	1.6	4.56	4.39	4.06	4.34	80	55	52	62	19.7	27.0	32.3
28	64.9	63.1	63.8	63.9	7.7	12.2	9.9	9.9	12.5	7.5	5.03	5.19	5.23	5.15	64	49	57	57	24.6	32.6	35.4
29	65.4	66.6	69.4	67.1	9.9	11.1	10.1	10.4	12.6	8.8	6.89	8.05	8.64	7.86	76	82	94	84	17.0	20.6	35.5
30	69.7	69.3	68.0	69.0	9.3	12.2	7.3	9.6	12.4	6.8	7.02	5.65	6.55	6.41	80	53	85	73	24.4	32.2	35.5
3 in-i onluk	63.9	64.2	65.0	64.4	7.5	9.0	7.9	8.2	10.6	5.8	6.48	6.48	6.51	6.49	83	76	81	80	14.8	18.3	25.5
Toplam Ayık Ortalama	64.5	64.2	64.8	64.5	9.0	11.5	9.4	10.0	13.0	7.4	7.30	7.36	7.30	7.32	84	72	82	79	18.7	23.0	32.7

Novembre 1939

Tarih — Date	Rüzgâr — Vent																	Bulut — Nuage	Yağmur — Pluie		Kar — Neige		Düşünceler
	Frekans — Fréquence							Süre — Durée [*]							Hız — Vitesse	7 den 7 ye	7 den 7 ye						
	N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW					W	NW	Durgun		
1	1	—	—	1	3	2	2	—	2	—	—	37	16	21	3	—	21	2.9	2.3	—			
2	2	1	—	—	2	2	—	—	65	8	—	—	21	6	—	—	—	5.4	5.7	1.8	●		
3	1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	3.6	9.7	12.6	●		
4	6	8	5	—	—	—	—	1	52	30	15	—	—	—	—	2	1	4.5	10.0	1.3	●		
5	—	2	3	—	—	—	—	—	—	56	31	—	—	—	—	—	13	3.3	4.3	—			
6	—	4	4	—	—	—	—	—	—	87	13	—	—	—	—	—	—	3.6	7.3	4.0	●		
7	3	4	1	—	—	—	—	—	31	63	6	—	—	—	—	—	—	7.6	6.3	0.1	☞		
8	2	2	—	—	—	—	—	—	94	6	—	—	—	—	—	—	—	6.0	8.7	4.6	8 ●		
9	4	5	—	—	—	—	—	—	17	83	—	—	—	—	—	—	—	6.4	7.7	1.3	●		
10	3	8	5	—	—	—	—	—	6	57	37	—	—	—	—	—	—	3.5	2.7	—			
1inci nluk	22	34	18	1	5	4	2	1	37	39	10	4	4	3	—	—	3	4.7	6.5	25.7			
11	3	4	1	—	—	—	—	—	21	76	3	—	—	—	—	—	—	3.0	8.7	—			
12	1	2	2	—	—	—	—	—	2	76	16	—	—	—	—	—	6	3.3	5.7	—			
13	1	2	3	—	—	—	—	—	16	50	22	—	—	—	—	—	12	2.7	1.3	—	8	☞	
14	3	3	2	1	—	—	—	—	53	25	14	2	—	—	—	—	6	2.8	4.3	[*] 0.2	☞ [*] çiy		
15	2	6	3	1	2	—	—	—	21	27	15	24	11	—	—	—	2	2.8	4.3	[*] 3.1	☞ [0.2] si çiy ●		
16	—	—	—	3	5	1	—	—	—	—	—	18	52	2	—	—	28	2.6	7.7	0.5	8 ●		
17	1	—	—	—	3	2	—	1	23	—	—	—	29	38	—	2	8	1.9	8.3	21.3	≡ ☞		
18	3	1	1	1	—	—	—	4	34	3	1	1	—	—	—	32	29	4.7	10.0	11.0	●		
19	3	2	1	1	—	—	—	2	43	3	2	19	—	—	—	6	27	8.4	6.3	0.8	☞ ✕ kırımse ●		
20	—	3	4	2	—	—	—	—	—	7	30	63	—	—	—	—	—	3.6	4.7	5.7	☞ ●		
2inci nluk	17	23	17	9	10	3	—	7	21	27	10	13	9	4	—	4	12	3.6	6.1	42.6			
21	2	—	—	4	3	—	—	2	25	—	—	38	19	—	—	17	1	6.5	10.0	22.6	●		
22	3	—	—	—	—	—	—	2	77	—	—	—	—	—	—	23	—	9.6	10.0	33.9	≡ ●		
23	6	—	—	—	—	—	—	5	75	—	—	—	—	—	—	25	—	9.6	10.0	12.1	●		
24	2	4	3	—	—	—	—	—	59	32	9	—	—	—	—	—	—	4.5	10.0	—			
25	3	3	—	—	—	—	—	1	54	42	—	—	—	—	—	—	—	3.9	8.3	1.8	☞		
26	2	—	—	—	1	—	1	4	6	—	—	—	1	—	1	70	22	5.9	10.0	14.6	☞ ●		
27	—	—	—	1	4	3	—	—	—	—	—	10	67	23	—	—	—	3.2	8.0	—	8 ☞		
28	—	—	—	4	5	1	—	—	—	—	—	16	68	12	—	—	4	4.3	0.7	—	8		
29	1	2	1	1	3	2	—	—	2	11	3	16	31	8	—	—	29	3.5	6.3	—	8 ≡		
30	1	1	1	1	2	2	—	—	23	4	27	2	12	17	—	—	15	2.8	4.0	—	8		
3inci nluk	20	10	5	11	18	8	1	14	32	9	4	8	20	6	—	14	7	5.4	7.7	85.0			
Toplam Aylık ortalama	59	67	40	21	33	15	3	22	30	25	8	8	11	4	—	6	8	4.5	6.8	153.3			

[*] Bir gün zarfında her hangi bir yönden esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —
 Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

Tarih — Date Tarih	Barometre (O° ye vo O. D. S.) 700 mm + ...				Sıcaklık C° Température						Buhâr gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat.				Aktinom C°		Güneşle Mak. Max. noir	Güneşle Mak. Max. noir
	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Mak. Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir		
	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Mak. Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir		
1	64.6	62.8	61.9	63.1	9.7	11.0	11.4	10.7	11.8	7.0	8.40	8.47	9.08	8.65	94	86	90	90	12.7	13.7	23.3	0
2	61.0	61.3	62.2	65.5	11.4	15.9	11.7	13.0	15.9	10.8	90.8	10.00	9.52	9.53	90	74	93	86	26.0	33.0	38.0	4
3	63.0	63.3	64.1	63.5	10.9	15.2	11.7	12.6	15.2	10.4	8.29	10.02	8.41	8.91	85	78	82	82	26.6	34.0	36.3	1
4	63.3	60.9	61.0	61.7	11.7	16.0	13.5	13.7	16.3	10.0	7.58	7.34	6.63	7.18	73	53	58	61	24.0	29.6	34.5	3
5	60.6	60.2	60.5	60.4	12.2	15.3	15.5	14.3	16.5	10.8	8.00	8.65	8.79	8.48	75	66	66	69	19.4	22.0	40.3	4
6	59.3	59.3	60.0	59.5	13.2	14.6	54.9	14.2	15.8	11.8	9.00	9.71	7.13	8.61	79	79	57	72	20.6	24.4	36.3	2
7	60.0	58.7	58.2	59.0	14.9	18.8	17.3	17.0	19.4	15.0	6.52	6.71	6.57	6.60	51	41	44	45	30.6	37.9	41.5	0
8	58.3	57.6	57.8	57.9	15.5	14.6	11.8	14.0	17.4	10.6	7.52	9.20	9.34	86.9	57	74	90	74	16.6	18.0	20.2	0
9	56.4	57.4	59.4	59.7	11.0	12.1	7.6	10.2	14.4	7.0	7.29	7.82	7.58	7.56	74	74	97	82	16.0	19.0	35.2	2
10	59.0	60.0	62.6	60.5	5.2	5.4	4.3	5.0	7.1	4.1	6.62	6.71	60.1	6.45	100	100	98	99	64.0	7.0	11.5	2
1 inci onluk	60.6	60.2	60.8	60.5	11.6	13.9	12.0	12.5	15.0	9.8	7.83	8.46	7.91	8.07	78	73	78	76	19.9	23.9	31.7	25
11	64.0	64.1	64.6	64.2	5.0	8.0	6.4	6.5	9.0	3.9	5.09	6.02	5.80	5.64	78	75	80	78	11.4	13.4	17.2	0
12	64.9	63.6	63.7	64.1	5.7	10.3	5.7	7.2	10.6	4.8	6.21	6.55	5.91	6.22	91	70	87	83	20.0	26.0	34.5	4
13	60.9	60.7	61.5	61.0	6.8	6.8	6.8	6.8	7.8	5.3	6.42	6.84	6.42	6.56	87	93	86	89	8.0	8.8	12.2	1
14	62.7	64.2	65.0	64.0	6.6	6.8	6.2	6.5	7.0	6.0	7.18	6.73	6.77	6.89	99	91	95	95	6.6	9.6	11.7	0
15	64.7	62.9	63.8	63.8	7.1	12.9	12.6	10.9	13.0	5.7	6.67	6.63	8.00	7.10	88	59	73	73	18.6	22.0	35.3	4
16	66.3	66.8	67.2	66.8	10.9	14.0	9.1	11.3	14.8	8.5	8.41	8.53	8.64	8.53	87	71	100	86	23.	29.0	37.0	3
17	66.9	67.1	70.1	68.0	10.7	10.9	6.8	9.5	12.7	6.3	9.62	9.62	6.73	8.66	100	99	91	97	6.6	6.6	27.3	25
18	7.18	71.6	72.6	72.0	6.3	7.5	6.5	6.8	8.0	6.0	6.18	5.68	5.85	5.90	86	73	80	80	10.9	12.8	15.3	0
19	72.8	71.0	70.2	71.3	5.8	8.9	3.9	6.2	10.9	2.7	5.74	4.54	4.25	4.84	83	53	70	69	13.2	15.4	36.8	1
20	66.7	62.9	60.5	63.4	3.8	9.9	8.6	7.4	10.4	1.8	5.01	6.11	6.10	5.74	84	67	73	75	22.8	30.8	34.5	1
2 inci onluk	66.2	65.5	65.9	65.9	6.9	9.6	7.3	7.9	10.4	5.1	6.65	6.73	6.45	6.61	88	75	84	83	14.1	17.4	26.2	25
21	54.8	50.2	57.1	54.0	8.3	12.9	3.1	8.1	13.8	2.5	5.95	6.87	5.72	6.18	72	61	100	78	15.8	17.6	35.3	0
22	67.6	69.5	71.0	69.4	0.5	1.8	-0.8	0.5	2.5	-1.0	3.79	3.21	4.12	3.71	80	60	96	79	17.8	27.8	29.0	0
23	70.3	69.2	69.9	69.8	2.3	3.9	2.9	1.5	4.0	-2.8	3.44	4.35	3.98	3.92	85	71	70	75	11.6	16.0	29.8	1
24	69.3	67.7	66.8	67.9	3.7	6.9	6.4	5.7	7.2	2.3	4.37	5.09	4.87	4.78	73	69	67	70	20.0	28.2	28.8	1
25	65.3	63.4	63.4	64.0	5.9	9.3	8.8	8.0	9.8	5.2	5.16	5.80	6.87	5.94	74	67	81	74	16.0	20.8	30.7	1
26	60.0	56.0	53.8	56.6	9.8	11.6	12.4	11.3	13.0	7.6	5.72	7.40	7.88	7.00	63	72	73	69	13.6	15.2	15.9	0
27	53.5	53.3	51.2	52.7	11.5	10.6	13.5	11.9	13.5	10.2	9.02	9.31	8.46	8.93	89	97	73	86	11.2	11.6	13.0	0
28	55.7	62.6	64.2	60.8	0.5	0.6	0.0	0.4	12.3	-0.3	4.56	4.60	4.58	4.58	96	94	100	97	1.6	2.2	4.8	0
29	62.6	59.4	54.8	58.9	0.4	2.0	4.3	2.2	4.7	-0.2	4.34	4.80	5.81	4.98	92	90	93	92	3.2	3.8	6.0	0
30	54.1	54.0	56.8	55.0	4.3	5.1	3.1	4.2	5.3	2.8	6.01	6.15	5.52	5.89	97	94	97	96	7.0	8.0	9.5	0
31	53.8	61.2	64.3	59.8	1.7	0.1	0.2	0.7	4.5	-0.1	5.17	4.26	3.86	4.43	100	93	84	92	1.2	1.8	3.1	0
3 inci onluk	60.6	60.6	61.2	60.8	4.0	5.9	4.9	5.0	8.2	2.4	5.23	5.62	5.61	5.49	84	79	85	83	10.8	13.9	18.7	15
Toplam Aylık Ortalama	62.4	62.0	62.6	62.3	7.4	9.7	7.9	8.3	11.1	5.6	6.53	6.89	6.62	6.68	83	76	82	80	14.8	18.3	25.3	6

Décembre 1939

Tarih — Date	Rüzgâr — Vent																	Bulut — Nuage	Yağmur } den 7 ye Pluie } den 7 ye	Kar } den 7 ye Neige }	Düşünceler		
	Frekans — Fréquence							Süre — Durée [*]															
	N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW	W	NW	Durgun					Hız % Vitesse	
1	—	—	—	—	1	2	—	—	—	—	—	—	2	98	—	—	—	6.2	9.7	1.5	III	p	8
2	—	—	—	—	2	2	—	—	—	—	—	—	74	26	—	—	—	5.6	4.3	—	●		
3	—	—	—	2	4	3	—	—	—	—	—	11	45	19	—	—	25	3.0	2.0	—	8	p	
4	—	—	1	5	5	—	—	—	—	—	2	28	49	—	—	—	21	2.1	6.7	—	8	p	
5	—	—	—	2	5	3	—	—	—	—	—	7	74	7	—	—	12	3.4	9.0	1.5	●		
6	—	—	—	—	1	—	—	—	—	—	—	—	100	—	—	—	—	5.4	6.7	0.2	●		
7	—	—	—	1	3	—	1	—	—	—	—	2	96	—	2	—	—	9.4	4.0	—			
8	—	—	1	2	5	2	1	—	—	—	2	11	61	5	4	—	17	5.2	9.7	24.6	8	●	
9	4	—	—	—	—	3	3	4	46	—	—	—	—	16	7	31	—	5.2	9.3	10.0	●		
10	—	—	—	—	—	2	2	2	—	—	—	—	—	8	17	58	17	8.2	10.0	22.5	●		
1 inci nölük	4	—	2	12	26	17	7	6	5	—	—	6	50	18	3	9	9	5.4	7.1	60.3			
11	3	1	—	1	1	1	1	3	19	6	—	24	6	2	14	7	22	1.6	9.7	3.3	8		
12	2	2	1	—	—	—	—	—	17	59	14	—	—	—	—	—	10	2.3	4.0	—	●		
13	4	4	—	—	—	—	—	—	23	77	—	—	—	—	—	—	—	3.6	10.0	10.8	●		
14	2	3	2	—	—	—	—	—	35	18	30	—	—	—	—	—	17	4.0	10.0	3.2	III	●	
15	—	—	1	—	4	4	—	—	—	4	—	39	57	—	—	—	—	3.5	9.0	—	p		
16	1	1	—	—	3	1	—	2	31	1	—	—	20	18	—	3	27	3.7	5.0	13.5	p	●	
17	1	1	4	—	—	1	—	1	7	71	—	—	—	6	—	5	11	2.9	10.0	3.8	III	●	
18	—	4	4	1	—	—	—	—	51	33	3	—	—	—	—	—	13	4.0	10.0	—			
19	—	2	—	2	—	—	—	—	3	45	24	—	—	—	—	—	28	2.8	5.7	—			
20	—	—	—	3	4	2	—	—	—	—	—	24	49	26	—	—	1	3.7	0.7	0.5			
2 inci nölük	13	18	12	7	12	9	1	6	13	29	13	7	11	11	1	2	13	3.2	7.4	35.1			
21	1	—	—	1	1	—	—	1	69	—	—	13	12	—	—	2	4	9.0	9.3	28.2			
22	3	3	1	1	1	—	—	1	44	23	2	2	2	—	4	6	17	12.9	9.0	3.0	+	●	
23	—	—	—	—	3	—	—	—	—	—	—	—	50	50	—	—	—	3.7	5.3	—			
24	—	—	—	—	5	6	—	—	—	40	—	—	40	60	—	—	—	6.4	4.0	—			
25	—	—	—	—	1	1	—	—	—	25	—	—	25	75	—	—	—	7.9	5.7	—			
26	—	—	—	—	2	1	—	—	—	—	—	—	96	—	—	—	—	7.2	9.7	1.6	●		
27	1	—	—	—	4	4	—	1	24	—	—	—	54	—	—	1	2	9.8	10.0	56.5	●		
28	1	1	—	—	—	—	—	—	37	63	—	—	—	—	—	—	—	11.0	10.0	[** 9.0	+	*	●
29	5	4	1	—	—	—	—	2	33	50	—	—	—	—	—	13	2	7.5	10.0	32.6	*	●	
30	4	1	—	—	—	—	—	2	75	15	—	—	—	—	—	—	10	5.2	10.0	26.5	III	●	
31	2	2	—	—	—	—	—	—	50	48	—	—	—	—	—	—	2	8.5	10.0	9.0	*	●	
3 inci nölük	17	11	2	2	14	15	4	7	30	18	—	2	21	1	5	2	3	8.1	8.5	166.4			
*toplam aylık ortalama	34	29	16	21	52	41	12	19												261.8			
									17	16	4	5	27	5	3	4	8	5.6	7.7				

[*] Bir gün zarfında her hangi bir yönden esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —

Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

[**] Kar suyu

SAAT — HEURE

Gün Jour	SAAT — HEURE																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	60.3	60.2	60.1	59.9	59.8	59.7	59.8	59.8	59.7	59.0	59.1	59.3	58.9	58.1	58.1	57.6	56.6	56.4	56.1	56.0	56.0	55.9	55.6	55.3	58.2
2	55.0	54.9	54.6	54.5	54.6	54.7	54.9	55.2	55.5	55.7	55.8	55.6	55.5	55.0	55.1	54.9	54.6	55.1	55.6	56.1	56.5	56.7	56.7	56.8	55.4
3	57.0	57.0	57.0	57.2	57.3	57.5	57.6	58.0	58.7	59.0	59.2	59.2	59.6	59.7	59.7	59.6	59.6	59.9	60.2	60.5	60.6	60.7	60.5	60.1	59.0
4	60.1	59.8	59.6	59.2	59.0	58.8	58.7	58.8	59.0	59.0	58.7	58.6	58.4	58.1	58.1	58.0	58.3	58.8	59.7	60.7	60.7	61.0	61.5	61.7	59.4
5	62.1	62.6	62.8	62.9	63.0	63.3	63.5	63.7	64.1	64.2	64.2	64.2	64.1	63.9	63.7	64.0	63.9	64.1	64.0	63.9	63.6	63.6	63.3	62.9	63.6
6	62.8	62.3	61.3	61.0	60.4	59.9	59.3	58.9	58.9	58.5	58.6	58.0	57.4	56.8	56.4	56.5	56.5	57.0	57.5	58.1	58.4	58.6	58.7	58.9	57.8
7	59.2	59.2	59.1	59.2	59.6	59.7	59.9	60.1	60.1	60.1	59.6	59.0	58.7	58.4	58.0	57.8	57.6	57.6	58.1	58.3	58.2	58.2	58.2	58.2	58.8
8	58.3	58.5	58.9	58.7	59.0	59.2	59.3	59.7	59.9	59.8	59.7	59.1	59.0	58.9	58.8	58.8	58.7	58.7	58.7	58.7	58.6	57.8	57.7	57.6	58.8
9	57.3	56.5	55.9	55.6	54.9	54.7	54.3	54.1	53.6	53.6	54.0	54.5	54.0	54.0	54.1	54.6	55.0	55.4	56.5	57.0	57.1	57.2	57.5	55.3	
10	57.5	57.6	57.9	58.0	58.1	58.4	58.7	59.2	59.5	59.5	59.5	59.2	59.2	59.2	59.0	59.0	59.3	60.1	60.5	60.8	61.1	61.3	71.5	61.7	59.4
1 inci onluk	589.6	588.6	587.2	586.2	585.7	585.9	586.0	587.5	589.0	588.4	588.4	587.2	584.9	582.1	581.0	580.8	580.1	583.1	586.2	589.5	591.1	590.9	590.9	590.7	58.7
11	62.0	62.2	62.3	62.4	63.0	63.7	64.3	65.0	65.5	65.9	66.1	65.8	65.7	65.8	65.9	65.9	66.0	66.2	66.4	66.7	67.0	67.1	67.0	66.7	65.2
12	66.7	66.6	66.3	66.2	66.1	65.8	65.5	65.5	65.6	65.4	65.3	64.7	63.9	63.6	63.1	62.7	62.8	62.9	63.0	63.1	63.3	63.1	63.0	62.8	64.5
13	62.5	62.2	62.0	62.0	62.1	62.3	62.4	62.7	63.0	63.1	63.1	63.1	63.0	63.0	63.2	63.3	63.5	63.6	63.7	64.0	64.2	64.3	64.3	63.1	63.1
14	64.3	64.0	63.6	63.5	63.5	63.6	63.7	64.1	64.4	64.4	64.0	63.8	63.2	62.7	62.6	62.5	62.5	62.7	62.9	63.1	63.6	63.7	63.7	63.7	63.5
15	63.5	63.3	63.1	63.0	63.0	63.2	63.5	64.0	64.1	64.2	64.0	63.6	62.9	62.7	62.6	62.6	62.8	63.1	63.6	63.8	63.9	64.0	64.0	63.8	63.4
16	63.8	63.8	63.8	63.9	64.1	64.3	64.7	65.1	65.3	65.4	65.5	65.1	64.9	64.5	64.4	64.4	64.4	64.9	65.2	65.4	65.6	65.7	65.6	65.5	64.8
17	65.6	65.7	65.6	65.7	66.0	66.4	66.7	67.0	67.3	67.5	67.0	66.8	66.4	66.1	66.1	66.0	66.3	66.8	67.1	67.2	67.4	67.3	67.3	67.2	66.6
18	67.1	67.0	66.9	66.7	66.5	66.7	67.1	67.3	67.4	67.4	67.4	66.8	66.4	65.7	65.6	65.5	65.4	65.5	65.5	65.5	65.6	65.5	65.4	65.0	66.3
19	64.8	64.6	64.1	64.0	64.0	64.4	64.4	65.0	65.1	65.2	65.0	64.5	64.0	63.4	63.1	63.0	62.9	62.8	62.9	62.9	63.2	63.4	63.3	63.2	63.9
20	63.1	63.0	62.8	62.8	62.9	62.8	62.7	62.6	62.7	62.6	62.4	61.7	61.3	60.5	60.3	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.0	59.8	61.5
2 inci onluk	643.4	642.4	640.5	640.3	641.1	642.7	644.9	648.4	650.5	651.1	649.8	645.9	641.7	638.6	636.9	636.0	636.6	638.7	640.5	642.0	644.1	644.4	643.6	642.0	64.3
21	59.7	59.4	59.2	59.2	59.2	58.9	59.0	59.2	59.2	59.2	59.0	58.1	57.8	57.4	57.2	56.9	56.5	57.2	57.3	57.3	57.4	57.6	57.8	58.2	58.3
22	58.5	58.7	58.6	58.8	58.9	59.2	59.6	60.1	60.7	61.0	61.7	61.8	62.0	62.2	62.4	62.7	63.2	63.7	64.0	64.2	64.7	65.2	65.2	65.7	61.8
23	65.8	65.8	65.8	66.0	66.1	66.0	66.0	66.4	66.6	66.6	66.8	66.8	64.5	64.5	64.6	64.5	64.5	64.7	64.7	64.6	64.5	64.0	63.3	63.0	65.1
24	62.8	62.6	62.0	61.7	61.5	61.1	61.0	61.0	60.8	60.7	60.2	59.5	58.6	58.0	57.9	57.5	57.3	57.2	56.7	56.6	56.4	56.3	56.0	59.2	59.2
25	57.4	57.2	57.4	57.7	58.0	58.2	58.7	59.4	59.8	60.1	60.5	60.3	60.2	60.2	60.4	60.5	60.5	60.9	61.0	61.1	61.2	61.3	61.4	61.4	59.8
26	61.3	61.2	61.0	61.0	60.9	60.8	60.8	60.7	60.5	60.3	60.4	59.8	58.8	58.3	57.4	57.2	56.1	55.7	54.5	53.5	52.4	53.2	50.9	50.7	57.8
27	49.8	49.8	49.6	49.7	50.0	50.6	51.7	52.0	52.3	53.0	53.5	53.7	53.8	54.6	55.8	56.5	57.0	57.6	58.1	58.8	59.0	59.2	59.3	59.3	54.4
28	59.2	59.2	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	58.4	57.9	57.6	57.5	57.4	57.3	57.2	57.2	57.2	56.7	56.3	56.0	55.6	58.1
29	55.3	54.6	54.2	53.2	52.2	51.6	51.1	51.0	50.8	51.1	51.4	51.7	51.8	52.3	52.8	53.9	54.6	55.9	56.6	57.0	57.7	58.0	58.2	58.3	54.1
30	58.3	58.9	58.9	58.9	58.6	58.3	59.2	59.2	59.2	59.0	58.3	57.8	57.2	57.1	57.0	57.1	57.8	58.0	58.1	58.5	59.1	59.2	59.5	59.7	58.5
31	60.1	60.1	60.2	60.3	60.3	60.2	60.4	60.6	60.8	61.0	61.2	60.9	60.7	60.3	60.3	60.2	60.2	60.8	61.1	61.2	61.8	62.0	61.8	61.8	60.8
3 inci onluk	648.2	647.5	645.8	645.6	644.9	644.1	646.7	648.8	649.9	650.6	651.2	647.0	643.3	642.5	643.3	644.4	645.0	649.0	649.8	650.1	651.1	652.4	649.6	649.7	58.9

S A T — H E U R E

Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Ortalama Moyen
1	62.0	62.0	61.8	61.9	61.9	61.9	62.2	62.4	62.6	62.8	63.0	62.9	62.4	62.5	62.7	62.7	63.0	63.0	63.2	63.1	63.1	63.1	63.0	62.8	62.6
2	62.7	62.6	62.4	62.2	62.1	62.1	62.2	62.3	62.3	62.3	62.4	62.9	61.9	62.0	62.2	62.6	63.0	63.0	63.2	63.1	63.1	63.1	63.0	62.8	62.6
3	64.7	64.6	64.6	64.6	64.7	64.7	64.8	65.1	65.4	65.6	65.8	65.5	65.4	65.5	65.7	65.8	66.0	66.1	66.2	66.3	66.4	66.4	66.4	66.4	64.8
4	66.5	66.8	66.8	67.0	67.0	67.1	67.5	68.1	68.3	68.9	69.2	69.2	69.2	69.3	69.4	69.5	69.6	69.6	69.7	70.1	70.3	70.4	70.5	70.3	66.5
5	70.3	70.3	70.1	70.1	70.1	70.3	70.4	71.0	70.7	70.5	70.2	69.7	69.4	69.0	69.0	68.9	68.8	68.7	68.7	68.6	68.6	68.1	67.8	67.1	68.8
6	66.6	66.6	66.2	66.0	65.3	65.2	65.0	64.4	64.3	64.3	64.1	63.9	63.9	63.2	63.3	63.4	64.2	6.7	64.4	63.8	63.9	63.8	63.7	63.7	64.4
7	63.5	63.5	63.7	63.7	64.2	64.6	65.3	65.9	66.3	66.4	66.5	66.2	65.9	66.2	66.5	66.7	66.9	67.2	67.4	67.5	67.7	67.9	68.0	68.0	66.1
8	67.9	67.9	67.9	67.8	67.7	68.1	68.4	68.7	69.0	69.0	68.8	68.6	68.4	68.3	68.3	68.2	68.2	68.5	68.7	68.8	69.1	69.4	69.4	69.3	68.5
9	69.1	69.3	69.3	69.2	69.3	69.4	70.0	70.5	70.7	70.9	70.9	70.9	70.1	69.8	69.6	69.5	69.6	69.9	70.2	70.4	70.5	70.5	70.3	70.0	70.0
10	69.7	69.5	69.2	69.0	68.9	68.7	68.5	68.5	68.5	68.4	68.3	67.5	66.9	66.8	66.6	66.1	66.0	65.9	65.7	65.6	65.5	65.3	65.2	65.1	67.3
1 inci onluk	663.0	663.1	661.8	661.5	661.2	662.1	664.3	666.9	668.1	669.1	669.2	666.3	662.9	662.1	662.9	663.4	665.0	666.7	668.6	668.5	669.6	669.4	668.7	667.6	66.5
11	65.0	64.6	64.5	64.5	64.5	64.8	65.2	65.5	65.5	65.5	65.5	65.3	65.0	64.8	64.8	64.8	65.1	65.2	65.5	65.5	65.7	65.9	66.1	66.2	65.2
12	66.2	66.2	66.2	66.6	66.6	66.7	67.0	67.3	67.4	67.7	67.3	67.0	66.5	66.3	66.3	66.3	66.2	66.5	66.8	66.8	66.9	66.7	66.6	66.5	66.7
13	66.4	66.3	66.0	65.9	65.8	65.9	66.2	66.5	66.6	67.0	67.1	66.9	66.6	66.3	66.3	66.9	67.1	67.2	67.5	67.9	68.3	68.4	68.4	68.5	66.9
14	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8	69.0	69.1	69.2	68.4	68.0	67.6	67.2	67.0	67.0	67.2	67.5	67.5	67.5	67.4	67.4	67.1	68.1
15	67.0	67.0	66.6	66.5	66.4	66.3	66.2	66.2	66.1	66.0	65.0	64.1	63.7	63.0	62.8	62.6	62.4	62.2	62.0	61.8	61.7	61.5	60.9	60.3	64.1
16	61.0	60.9	60.2	59.8	59.7	59.7	59.7	59.9	59.9	59.8	59.7	59.1	58.8	58.7	58.8	59.0	59.1	59.3	59.7	59.7	59.6	59.6	59.5	59.5	59.6
17	59.4	59.3	59.3	59.2	59.2	59.3	59.4	59.5	59.6	59.7	59.6	59.1	58.8	58.5	58.2	58.0	57.9	58.0	58.1	58.0	57.9	57.8	57.6	57.5	58.7
18	57.2	57.0	56.9	56.4	57.0	57.0	57.4	57.7	58.6	59.4	59.3	59.1	58.7	58.7	58.9	59.1	59.2	59.4	59.5	59.5	59.7	59.6	59.3	59.2	58.5
19	59.1	59.2	59.3	59.3	59.4	59.5	59.7	59.9	60.2	60.3	60.4	60.5	60.8	60.9	61.0	61.3	61.7	61.9	62.1	62.0	62.2	62.3	62.3	62.1	60.7
20.	62.0	61.9	61.8	61.6	61.3	61.0	61.0	60.8	60.5	60.2	59.2	58.2	57.5	57.0	56.3	55.9	55.5	54.8	55.0	55.6	55.6	54.0	53.1	54.0	58.2
2 inci onluk	631.9	631.1	629.5	628.5	628.6	629.0	630.6	632.1	633.4	634.7	632.3	627.7	624.4	621.8	620.6	620.9	621.2	622.2	623.5	623.7	625.1	623.2	923.2	620.9	62.7
21	53.2	53.0	53.2	53.1	53.3	53.5	54.0	54.5	55.0	55.4	55.9	55.6	55.8	55.8	56.0	56.6	57.2	57.4	57.6	57.9	58.2	58.6	59.2	59.6	55.8
22	59.6	60.6	61.1	61.5	62.2	62.9	63.5	64.0	64.5	64.8	65.1	65.0	65.2	65.2	65.4	65.5	65.5	65.4	65.4	65.3	65.1	65.2	64.7	64.4	64.1
23	64.3	64.3	63.7	63.6	63.3	64.1	64.3	64.9	65.6	65.9	66.0	66.4	66.7	67.0	67.1	67.5	67.8	68.0	68.2	68.3	68.4	68.6	68.7	68.8	66.3
24	68.7	68.6	68.5	68.3	68.3	68.3	68.6	68.7	68.8	68.8	68.8	68.5	67.9	67.3	67.3	67.3	67.0	67.0	66.8	66.5	66.3	66.0	65.6	65.2	67.6
25	64.6	64.3	63.9	63.7	63.2	63.0	62.8	63.0	62.9	62.8	62.2	61.8	61.6	61.4	61.6	61.8	62.0	62.2	62.2	62.2	62.2	62.1	62.0	62.0	62.6
26	61.8	61.6	61.4	61.2	61.1	61.1	61.6	61.6	62.2	62.6	62.5	62.4	62.4	62.5	62.7	63.0	63.2	63.4	63.5	64.0	63.9	63.9	63.9	63.9	62.6
27	63.9	63.9	64.0	64.1	64.2	64.4	64.6	64.7	65.0	65.4	65.2	64.8	64.4	64.2	64.1	64.1	64.3	64.5	65.0	65.1	65.1	65.1	65.2	65.4	64.6
28	65.3	65.3	65.3	65.0	64.9	64.9	64.9	64.9	64.8	64.8	64.9	64.3	63.8	63.1	63.1	63.1	63.0	63.2	63.4	63.6	63.8	64.0	63.8	63.9	64.2
29	64.0	64.2	64.3	64.4	64.6	64.9	65.4	65.9	66.2	66.4	66.9	66.9	66.8	66.6	66.8	67.2	67.7	68.1	68.8	69.1	69.4	69.2	69.1	69.3	66.8
30	69.2	69.2	69.2	69.2	69.3	69.5	69.7	69.9	70.2	70.4	70.5	70.0	69.7	69.3	69.0	68.9	68.9	68.9	68.7	68.6	68.0	68.0	67.4	67.1	69.1
3 inci onluk	634.6	635.0	634.6	634.1	635.0	663.6	639.4	642.1	645.2	647.3	647.7	645.3	644.3	64.24	643.1	645.0	646.6	647.9	659.6	650.7	650.4	650.7	649.6	649.6	64.4
Ortalama	64.3	64.3	64.2	64.1	64.2	64.3	64.5	64.7	64.9	65.0	65.0	64.6	64.4	74.2	64.2	64.3	64.4	64.6	64.7	64.8	64.8	64.8	64.7	64.6	64.5

Aralık 1939 — Décembre 1939

Gün Jour	SAAT — HEURE																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	66.7	66.3	65.9	65.1	64.9	64.7	64.6	64.6	64.5	64.5	64.0	63.3	63.2	62.8	62.6	62.5	62.3	62.6	62.0	62.0	61.9	61.6	61.3	61.1	63.5
2	60.7	60.7	60.8	60.5	60.7	60.8	61.0	61.2	61.3	61.3	61.7	61.6	61.2	61.3	61.4	61.8	61.8	62.0	62.1	62.2	62.2	62.3	62.4	62.6	61.5
3	62.5	62.5	62.6	62.6	62.6	62.7	63.0	63.1	63.3	63.7	63.8	63.5	63.4	63.3	63.3	63.6	63.6	63.6	63.9	64.1	64.1	64.1	64.1	64.0	63.4
4	63.4	63.4	63.4	63.1	63.1	63.1	63.3	63.2	63.1	62.9	62.6	62.0	61.5	60.9	60.7	60.7	60.8	60.8	60.4	61.0	61.0	61.0	60.9	60.8	62.0
5	60.8	60.8	60.8	60.4	60.3	60.3	60.6	61.2	61.1	61.2	61.3	60.9	60.4	60.2	60.1	60.0	60.1	60.2	60.9	61.0	60.5	60.5	60.3	60.1	60.6
6	59.9	59.7	60.2	59.9	59.5	59.2	59.3	59.3	59.4	59.6	59.6	59.5	59.5	59.3	59.3	59.3	59.3	59.3	59.4	59.4	60.0	60.3	60.3	59.8	59.6
7	59.8	59.9	59.7	59.7	59.8	59.8	60.0	60.1	60.3	60.3	59.8	59.3	59.0	58.7	58.6	58.6	58.5	58.4	58.4	58.3	58.2	58.1	58.0	58.0	59.1
8	57.9	57.8	57.8	57.7	58.0	58.1	58.3	59.4	59.7	59.6	58.9	58.1	57.9	57.6	57.5	58.3	58.7	58.5	58.0	57.8	57.8	57.8	57.7	57.7	58.2
9	57.4	57.0	56.9	56.5	56.2	56.3	56.4	56.5	57.0	57.5	57.3	57.3	57.4	57.4	57.6	58.0	58.3	58.6	59.0	59.2	59.4	58.4	59.4	59.2	57.7
10	59.0	59.0	59.0	58.9	58.7	58.9	59.0	59.2	59.5	60.0	60.0	59.8	59.8	60.0	60.3	60.7	61.2	61.5	61.9	62.3	62.6	63.1	63.4	63.6	60.5
11inci onluk	608.1	607.1	607.1	604.4	603.8	603.9	605.5	607.7	609.2	611.1	609.0	605.3	603.3	601.5	601.4	603.5	604.6	605.5	606.2	607.2	607.7	608.2	608.1	606.9	60.6
11	63.6	63.8	63.9	63.9	63.9	64.0	64.0	64.1	64.2	61.3	64.2	64.1	64.1	64.1	64.1	64.2	64.5	64.7	64.7	64.6	64.6	64.5	64.6	64.5	64.2
12	64.5	65.1	65.0	64.9	64.8	64.7	64.9	65.0	65.1	65.3	65.2	64.6	64.0	63.6	63.6	63.6	63.8	63.8	63.9	63.8	63.7	63.7	63.5	63.2	64.3
13	62.7	62.3	62.0	61.5	61.3	61.1	60.9	61.0	61.2	61.4	61.4	61.1	60.8	60.7	60.9	61.2	61.3	61.3	61.4	61.3	61.5	61.9	61.9	61.9	61.4
14	61.9	62.0	62.1	62.2	62.2	62.4	62.7	63.0	63.5	64.0	64.2	64.1	64.0	64.2	64.3	64.5	64.6	64.7	64.8	64.9	65.0	65.0	65.1	65.1	63.8
15	65.0	64.9	65.0	64.9	64.5	64.6	64.7	64.6	64.5	64.7	64.4	64.0	63.3	62.9	63.0	63.0	63.1	63.3	63.6	63.7	63.8	64.0	64.1	64.3	64.1
16	64.3	64.7	65.1	65.2	65.4	65.7	66.3	66.6	67.2	67.4	67.6	67.3	67.1	66.8	67.0	67.2	67.2	67.1	67.3	67.2	67.2	67.1	67.2	67.0	66.6
17	66.7	66.6	66.5	66.7	66.3	66.5	66.9	67.0	67.1	67.5	67.6	67.4	67.2	67.1	67.3	67.6	68.2	68.6	69.3	69.5	70.1	70.4	70.6	70.7	67.9
18	70.9	71.2	71.5	71.4	71.3	71.8	71.8	72.2	72.3	72.5	72.2	71.8	71.8	71.6	71.6	71.7	71.8	71.9	72.1	72.3	72.6	72.8	72.9	73.0	72.0
19	72.9	72.9	73.0	72.7	72.4	72.5	72.8	72.9	73.0	73.1	72.8	72.1	71.4	71.0	70.8	70.7	70.7	70.8	70.7	70.6	70.2	70.1	69.5	69.2	71.6
20	68.7	68.4	68.1	67.6	67.1	67.0	66.7	66.5	66.2	66.0	65.3	64.5	63.9	62.9	62.7	62.6	62.2	61.7	61.4	61.0	60.5	60.2	59.7	59.1	64.2
21inci onluk	661.2	661.9	662.2	661.0	659.4	660.3	661.7	662.9	664.3	666.2	665.1	661.1	657.6	654.9	655.3	656.3	657.4	657.9	659.2	659.1	659.2	659.7	659.1	658.0	66.0
21	58.3	57.7	57.2	56.0	55.2	54.9	54.8	54.1	53.5	52.8	52.0	51.2	50.7	50.2	50.0	50.8	51.4	52.3	53.4	55.1	57.1	58.7	60.0	61.8	54.6
22	62.9	60.4	60.1	65.7	66.2	66.7	67.6	68.1	68.7	69.3	69.8	69.6	69.4	69.5	69.8	70.4	70.5	70.6	70.8	70.9	71.0	71.0	71.0	70.9	68.7
23	70.7	70.6	70.6	70.4	70.2	70.0	70.3	70.3	70.3	70.6	70.6	69.8	69.2	69.2	69.3	69.5	69.5	69.5	69.7	69.9	69.9	70.0	69.9	69.8	70.0
24	69.7	69.6	69.6	69.4	69.2	69.3	69.3	69.4	69.5	69.6	69.4	68.9	68.2	67.7	67.6	67.4	67.2	67.0	67.0	66.9	66.8	66.7	66.6	66.2	68.3
25	66.0	65.9	65.9	65.4	65.2	65.0	65.3	65.4	65.5	65.3	65.2	64.5	64.0	63.4	63.5	63.5	63.6	63.6	63.6	63.5	63.4	63.3	63.3	63.0	64.4
26	62.5	62.2	61.9	61.1	60.7	60.2	60.0	60.0	59.8	59.5	58.5	57.7	57.0	56.0	55.5	55.3	54.6	54.5	53.9	53.8	53.8	53.8	53.5	53.5	57.5
27	53.1	53.0	53.3	53.1	53.0	53.2	53.5	53.8	53.9	53.9	54.0	54.1	53.8	53.3	53.3	53.0	52.7	52.3	52.4	51.6	51.2	51.8	50.8	50.0	52.8
28	50.0	50.0	51.0	51.2	53.4	54.4	55.7	57.0	58.9	60.4	61.1	61.7	62.1	62.6	63.1	63.7	63.6	64.1	64.0	64.1	64.2	64.2	64.3	64.0	59.5
29	63.7	63.7	63.5	63.0	63.0	62.9	62.6	62.9	63.0	62.7	62.3	61.0	60.2	59.4	58.9	58.3	57.5	57.2	56.5	55.3	54.8	53.5	52.7	52.0	59.6
30	51.7	52.0	52.0	52.5	52.3	53.5	54.1	54.8	55.1	55.5	55.2	54.5	54.0	53.8	54.4	54.4	55.2	55.8	56.6	56.6	56.8	57.4	57.4	56.6	54.7
31	56.2	55.5	54.0	53.4	52.5	53.9	53.8	54.8	55.9	57.1	58.0	59.1	59.9	61.2	62.2	63.1	63.1	63.2	63.8	64.2	64.3	64.3	64.4	64.3	59.3
31inci onluk	664.8	66.42	664.1	661.2	660.9	664.0	667.0	670.6	674.1	676.9	676.1	672.1	668.8	666.5	667.0	669.4	668.9	670.1	672.1	672.2	673.3	674.7	673.9	672.1	60.9

S A A T — H E U R E

Ortlama
Moyor

Gün
Jour

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	13.9	14.0	14.0	13.5	13.5	13.0	14.7	18.0	19.5	20.8	21.2	20.4	22.5	20.2	19.3	18.4	18.2	17.3	17.4	16.7	16.8	17.6	21.0	20.6	17.6
2	20.6	19.6	20.3	20.0	19.9	19.8	20.3	21.3	22.0	22.6	23.1	24.0	23.9	25.0	25.6	24.0	23.4	22.4	22.0	21.2	20.9	20.0	20.2	20.6	21.8
3	20.5	20.3	20.1	20.0	19.7	19.5	19.9	20.3	21.4	21.5	23.0	24.3	21.2	22.3	23.0	22.0	21.5	20.3	20.7	19.3	19.3	18.9	19.3	19.0	20.7
4	18.8	18.8	18.3	19.0	19.4	19.4	20.1	21.5	21.7	22.5	22.5	23.2	23.7	24.6	24.9	25.3	23.5	23.2	18.0	18.0	17.5	17.5	17.4	16.4	20.6
5	15.6	15.4	15.3	15.0	15.2	15.0	15.0	15.3	15.5	15.8	16.3	18.0	18.0	16.1	16.6	16.1	15.2	14.9	14.3	14.0	13.6	13.3	13.1	13.0	15.2
6	12.8	12.3	12.3	12.3	13.0	13.3	15.0	18.5	19.4	20.5	20.2	20.2	20.4	22.3	23.0	23.3	23.2	22.2	20.3	20.0	19.3	18.4	18.3	18.3	18.3
7	17.2	17.2	17.2	17.0	16.7	16.8	16.3	16.2	16.9	19.0	19.0	21.5	21.0	21.9	22.2	20.4	19.4	18.1	17.7	17.5	16.9	16.7	16.6	16.7	18.2
8	16.9	16.6	16.0	15.4	16.5	15.4	16.3	17.4	18.9	22.5	21.7	24.0	24.0	20.5	20.4	20.0	18.8	18.0	17.7	16.8	17.2	17.5	18.8	18.5	18.5
9	20.2	20.2	20.0	20.0	20.2	21.2	19.8	21.3	22.0	22.0	16.0	17.2	18.2	20.2	20.0	21.0	17.2	14.0	14.0	13.8	13.7	13.3	12.3	11.8	17.8
10	11.8	11.4	11.0	10.6	10.7	10.3	10.3	13.0	13.0	13.0	13.3	14.2	15.0	16.0	17.2	16.4	15.5	14.5	13.7	13.7	11.6	12.4	12.0	12.0	13.1
1 inci onluk	168.3	165.6	163.7	162.8	164.8	163.7	167.7	182.8	190.3	199.2	196.3	207.0	207.9	209.1	212.2	206.9	195.9	184.9	175.6	171.6	166.4	165.3	168.3	167.2	18.2
11	12.5	11.6	11.2	11.1	10.8	11.0	10.7	10.9	12.3	13.8	14.0	14.8	14.7	14.6	14.2	13.7	13.1	11.3	10.9	10.8	10.5	10.4	10.7	10.3	12.1
12	1.4	10.7	11.0	11.3	11.4	11.4	11.5	14.7	15.5	16.0	15.8	17.0	17.0	17.1	15.3	14.3	13.3	13.2	13.0	13.1	13.4	13.2	13.2	13.6	13.6
13	13.4	13.4	13.2	13.2	13.2	13.2	12.7	12.2	13.0	13.2	14.9	15.4	15.4	16.1	15.5	15.2	14.9	14.0	13.8	13.1	12.7	12.2	12.0	11.7	13.7
14	11.2	12.1	12.6	12.1	11.7	12.2	11.7	16.4	16.7	16.4	17.3	18.2	18.3	20.1	19.2	18.2	17.1	14.8	14.0	13.8	13.2	12.5	12.4	12.2	14.8
15	12.3	12.2	12.5	12.5	12.5	12.5	12.7	15.2	16.7	18.4	18.5	19.0	19.0	19.3	19.3	19.7	18.8	17.6	16.7	15.2	14.9	14.6	14.5	14.6	15.8
16	14.6	14.8	14.6	14.5	14.5	14.0	14.5	15.5	18.1	20.2	20.3	21.3	21.3	21.7	22.6	22.0	20.8	18.6	17.8	16.8	16.3	16.3	16.3	16.4	17.7
17	16.4	15.8	16.1	16.0	15.7	15.2	15.4	17.0	19.0	20.4	20.8	23.4	24.2	23.4	23.3	22.3	20.3	19.5	18.5	18.0	17.9	17.0	16.8	17.4	18.7
18	17.0	17.0	16.0	16.0	15.0	14.0	14.3	15.0	17.0	20.0	22.4	22.3	25.0	24.9	23.2	23.0	21.4	20.3	18.6	19.9	19.3	19.3	19.2	19.2	19.2
19	17.4	17.4	17.0	16.9	16.5	16.7	16.1	18.0	19.6	21.5	21.7	22.2	22.9	23.2	23.2	24.0	23.2	22.5	21.5	21.3	19.7	20.0	20.8	19.8	20.1
20	18.5	18.5	17.6	17.0	16.4	14.9	15.4	16.5	20.0	20.4	23.5	24.7	25.8	24.4	25.0	24.8	23.6	20.6	19.9	18.5	18.7	17.3	18.4	16.9	19.9
2 inci onluk	143.7	143.5	141.8	140.6	137.7	135.1	135.0	151.4	167.9	180.3	189.2	198.3	203.6	204.8	201.3	197.3	186.5	174.5	164.7	160.5	156.6	153.0	154.4	152.1	6.5
21	17.2	16.8	17.0	17.5	18.3	18.3	18.4	20.2	21.0	22.4	23.4	24.5	24.9	25.4	26.0	25.9	24.5	22.5	22.5	21.6	20.1	20.5	20.5	19.7	21.2
22	19.2	18.5	17.0	17.0	16.6	16.5	17.0	17.4	18.4	19.3	19.3	20.5	19.2	19.0	17.8	16.9	16.0	15.0	14.9	14.5	14.2	14.3	14.1	14.1	17.0
23	14.4	14.3	14.2	14.2	14.2	14.2	13.9	14.2	15.4	17.0	17.8	18.2	17.8	18.6	17.5	16.7	15.6	14.6	14.6	14.2	14.3	14.5	14.4	14.5	15.4
24	14.0	14.0	13.5	13.0	12.3	12.4	13.6	15.0	15.3	18.9	21.0	21.2	23.6	20.7	22.3	22.3	21.7	20.7	20.7	21.0	20.7	21.7	21.7	19.5	18.5
25	17.0	16.4	15.7	15.0	14.6	14.5	14.0	13.6	13.4	12.6	12.6	12.6	11.9	11.9	11.5	11.0	11.2	11.4	11.7	11.9	11.8	12.1	12.1	12.5	13.0
26	12.4	12.4	13.0	13.2	13.3	13.2	13.3	14.2	16.4	17.3	18.0	20.0	19.3	18.3	18.6	17.1	16.1	15.2	15.2	15.3	15.3	15.4	15.4	15.3	15.6
27	15.3	15.6	18.2	19.0	17.1	18.2	18.1	19.0	18.8	19.8	20.3	20.8	21.3	21.4	21.3	20.3	18.9	18.2	17.2	17.2	16.3	16.4	15.9	14.4	18.3
28	15.0	15.0	15.5	16.6	16.6	16.4	15.4	17.0	19.0	21.0	21.4	21.9	21.9	20.7	21.4	20.4	19.9	20.3	20.3	20.0	19.5	19.5	19.5	19.5	18.9
29	20.0	20.0	19.9	19.4	19.3	19.0	19.8	21.0	22.3	23.2	22.5	20.7	19.0	20.4	19.4	18.4	17.5	16.5	16.4	16.2	15.9	12.3	14.3	14.4	18.7
30	14.9	14.4	14.2	14.4	14.3	14.8	14.6	15.6	16.0	16.3	15.8	16.5	17.4	17.7	17.4	17.2	17.0	16.0	16.0	16.0	14.4	14.7	13.9	13.3	15.5
31	13.1	13.0	12.1	12.2	11.3	11.2	10.7	10.2	11.7	12.2	12.3	13.6	15.8	15.3	15.8	14.1	13.3	12.6	12.0	11.9	10.0	8.8	9.3	10.0	12.2
3 inci onluk	172.5	170.4	170.3	171.5	167.9	168.7	168.8	177.4	187.9	200.0	204.4	210.5	212.1	211.7	208.7	200.3	191.7	183.0	181.5	179.8	172.5	170.2	171.1	167.2	16.7
Ortlama	15.6	15.5	15.4	15.3	15.2	15.1	15.2	16.5	17.6	18.7	19.0	19.9	20.1	20.2	20.1	19.5	18.5	17.4	16.8	16.5	16.0	15.8	15.9	15.7	17.1

Sıcaklık — Temperature

Kasım 1939 — Novembre 1939

Gün Jour	S A A T — H E U R E																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	10.3	9.4	9.4	9.3	8.4	7.7	7.5	7.4	7.7	8.8	11.0	13.1	13.4	13.0	13.0	11.5	11.0	10.4	10.3	9.8	9.5	9.1	8.2	10.3	10.1
2	9.8	10.1	11.0	10.1	10.8	11.9	11.8	11.9	13.3	14.3	15.8	15.8	16.2	16.5	17.0	16.4	14.0	12.2	11.7	10.9	10.5	10.4	10.4	10.4	12.9
3	10.3	10.1	10.1	10.0	10.0	10.1	10.1	10.3	11.9	13.0	13.2	12.9	12.1	11.9	10.9	10.9	10.9	10.7	10.7	10.4	10.8	10.9	10.9	10.2	11.0
4	10.3	10.3	10.2	10.3	10.6	10.7	10.8	11.0	10.7	10.5	10.6	10.6	10.1	9.7	9.5	9.5	9.4	9.4	9.4	9.7	10.2	10.8	10.7	10.7	10.2
5	9.9	9.9	10.0	10.1	9.8	10.1	10.0	10.5	11.0	12.0	11.7	?	?	12.9	12.5	11.1	10.5	10.1	9.3	9.1	9.2	9.1	9.1	9.0	1.03
6	9.2	9.2	9.2	9.4	10.1	10.2	10.0	10.2	12.0	12.7	14.0	13.3	12.4	12.3	11.4	10.6	10.7	10.6	10.4	10.4	10.5	10.3	10.3	10.6	10.9
7	11.0	10.7	10.5	10.7	10.1	10.7	10.9	11.9	12.0	12.2	12.2	12.9	12.4	12.5	11.7	11.2	10.6	10.4	10.4	10.3	10.3	10.3	10.4	10.2	11.2
8	10.2	10.2	10.0	10.0	10.1	9.9	8.8	9.1	10.6	9.2	12.0	12.1	12.4	11.2	11.0	9.5	9.4	9.5	10.0	10.3	9.5	9.0	9.0	9.4	10.1
9	9.4	9.3	9.4	9.5	10.2	10.4	10.6	10.8	12.0	13.0	13.2	11.0	11.4	11.5	11.5	11.5	10.9	11.2	11.0	10.6	10.4	10.5	10.5	10.5	10.9
10	10.3	10.3	10.2	9.9	10.0	9.9	9.6	10.1	11.3	13.3	13.5	13.0	13.2	12.7	12.1	11.5	9.9	9.2	8.4	8.0	8.4	8.9	8.6	9.1	10.5
1 inci onluk	100.7	99.5	99.9	99.1	101.4	101.3	100.1	106.9	114.6	122.7	129.3	114.7	113.2	124.2	120.6	113.7	107.2	103.7	101.1	99.5	99.3	99.4	98.1	100.4	10.8
11	9.4	9.2	8.6	9.3	8.9	8.6	9.5	11.2	11.0	13.4	13.6	13.1	13.2	12.7	12.3	11.9	11.3	11.2	11.1	11.1	10.7	10.2	10.1	10.1	10.9
12	10.2	10.0	9.8	9.9	10.0	9.2	10.1	10.4	11.6	12.3	13.0	13.4	14.0	12.6	13.3	11.2	10.7	10.4	10.0	9.8	9.7	9.4	9.0	8.9	10.8
13	8.9	8.9	8.9	8.9	8.8	8.8	9.1	10.2	11.6	14.0	14.8	15.3	16.7	14.6	14.0	12.8	11.2	11.0	10.9	10.8	10.5	10.5	10.3	10.3	11.3
14	10.0	10.0	9.9	9.9	9.2	8.9	9.1	9.8	10.9	12.5	13.9	14.8	14.8	14.5	14.0	12.8	11.1	11.1	10.0	10.1	10.1	10.1	10.2	10.1	11.2
15	10.1	9.2	8.5	9.4	10.0	9.9	9.9	10.1	11.3	12.4	13.7	15.2	17.0	17.1	16.0	13.9	13.0	12.4	11.7	11.6	12.7	12.1	12.1	12.2	12.2
16	12.0	12.0	12.3	12.6	13.0	13.4	13.2	14.4	15.1	15.7	15.5	15.2	15.6	16.1	16.3	15.0	14.0	14.0	13.9	14.6	14.3	14.4	13.9	14.4	14.2
17	13.9	13.8	13.4	13.5	13.4	13.3	13.3	13.9	14.1	15.6	16.0	17.2	17.2	16.7	16.2	15.0	14.2	14.1	14.1	14.1	14.1	14.9	14.8	14.4	14.6
18	14.0	14.0	13.5	11.4	10.3	9.7	9.0	9.0	7.9	7.2	8.0	8.6	9.2	9.4	9.3	9.5	8.9	8.2	8.4	8.2	7.7	6.0	5.6	5.2	9.1
19	5.6	5.8	6.3	6.4	6.3	6.3	6.7	7.8	7.8	7.4	7.0	?	?	6.3	7.0	8.0	8.0	7.1	7.0	6.9	5.8	5.6	4.6	4.7	6.6
20	4.1	4.4	4.5	4.4	4.3	3.8	4.7	5.4	8.0	8.9	10.3	11.0	11.6	11.9	11.4	11.0	9.8	9.1	9.0	8.7	8.0	7.0	6.8	7.2	7.7
2 inci onluk	98.2	97.3	95.7	95.7	94.2	91.9	94.6	102.2	109.3	119.4	125.8	123.8	124.3	131.9	129.8	121.1	113.0	108.6	106.1	105.9	103.6	100.2	97.4	97.5	10.9
21	7.3	9.8	10.2	10.2	10.9	11.2	11.7	11.2	11.8	12.2	11.9	12.2	11.8	11.2	11.0	10.9	10.9	10.9	10.5	11.0	10.9	10.9	10.9	10.8	10.9
22	9.3	9.0	8.3	7.7	7.1	6.9	6.5	6.3	6.7	7.0	7.0	7.3	7.5	7.5	7.8	8.1	8.0	8.1	8.2	8.3	8.5	8.5	8.5	8.5	7.8
23	8.6	8.7	8.6	8.2	8.1	7.8	7.5	7.5	7.2	7.2	7.0	6.4	6.3	6.2	6.1	6.0	6.0	5.7	5.6	5.5	6.0	6.1	6.1	6.1	6.9
24	6.1	6.1	6.1	6.2	6.3	6.4	6.5	6.5	7.0	7.2	7.5	8.0	8.3	8.0	8.2	7.3	7.2	7.2	7.2	7.2	7.5	8.0	7.5	7.2	7.1
25	7.2	7.2	7.2	7.2	7.2	6.6	6.7	7.0	8.8	11.6	11.5	12.2	11.2	9.9	9.8	9.7	9.2	8.6	8.7	8.8	8.5	8.5	8.4	8.3	8.8
26	8.1	8.0	8.2	8.0	7.9	8.0	6.3	6.1	6.1	4.3	4.5	4.2	3.8	3.8	4.1	4.9	4.3	4.2	3.8	2.0	3.1	3.3	3.4	3.8	5.2
27	3.7	3.5	3.1	2.9	2.9	2.1	2.9	3.1	4.5	6.7	7.8	7.6	7.7	7.9	7.4	7.1	7.0	5.4	6.0	6.9	7.6	7.8	8.0	8.0	5.7
28	8.0	8.0	7.9	7.8	7.7	7.7	7.7	8.0	8.3	10.3	11.0	11.8	12.0	12.2	12.0	11.1	10.3	9.8	10.0	10.0	9.9	9.9	9.3	9.6	9.6
29	9.0	9.0	9.0	9.0	9.3	10.0	9.9	10.0	11.9	12.6	11.7	11.0	11.0	11.1	11.8	10.9	10.7	10.7	13.3	10.1	10.1	10.1	9.3	9.0	10.3
30	9.3	9.2	9.2	9.2	9.0	9.0	9.3	9.0	9.6	10.2	11.5	12.0	12.3	12.2	11.5	10.7	9.0	8.8	8.7	7.8	7.3	7.1	8.0	7.8	9.5
3 inci onluk	76.6	78.5	77.8	76.4	76.4	75.7	74.7	74.7	81.9	89.3	91.4	92.9	92.1	90.0	89.7	86.7	82.6	79.4	79.0	77.6	79.4	80.2	79.4	79.1	8.2

S A A T — H E U R E

Gün
JourOrtalama
Moyen

1	7.6	7.6	8.8	8.1	8.3	9.7	9.7	9.9	10.2	10.9	10.5	11.0	11.2	11.0	11.8	11.4	11.2	11.1	11.0	11.0	11.4	11.7	11.9	11.5	10.4
2	11.8	11.8	11.3	11.1	11.5	11.4	11.4	11.5	11.7	12.3	12.6	13.8	14.5	15.9	14.8	13.3	12.5	12.1	12.0	11.8	11.7	11.6	11.5	11.3	12.3
3	11.3	11.1	11.1	11.0	11.0	10.8	10.9	11.4	12.1	13.1	13.8	14.3	14.8	15.2	15.2	14.7	13.3	12.5	12.0	11.9	11.7	11.4	11.1	11.1	12.4
4	12.0	12.5	12.5	12.4	11.1	10.8	11.7	12.3	14.0	13.9	14.0	15.0	15.8	16.0	15.8	14.8	14.0	14.0	14.0	14.0	13.5	13.5	13.0	13.0	13.5
5	12.2	11.5	12.3	12.5	12.0	12.2	12.2	12.2	13.0	14.4	15.7	16.4	15.5	15.3	16.3	15.1	16.0	16.2	16.1	15.1	15.5	15.3	15.1	14.5	14.3
6	14.2	14.2	13.2	12.6	13.1	11.8	13.2	13.0	13.0	13.8	14.0	14.2	14.3	14.6	15.1	15.0	14.8	15.3	15.0	14.2	14.9	14.8	14.5	14.6	14.1
7	15.4	15.3	15.3	15.4	16.1	16.2	14.9	15.5	16.0	16.8	17.8	18.2	18.8	18.8	18.0	17.0	16.8	18.4	18.3	17.1	17.3	17.6	16.8	16.2	16.8
8	17.0	16.6	16.9	17.0	17.0	15.0	15.5	13.5	13.2	13.1	13.1	14.0	13.8	14.6	13.9	12.8	12.1	11.9	11.9	11.9	11.7	11.6	11.6	10.6	13.8
9	10.1	10.3	10.3	10.2	10.4	10.2	11.0	11.0	11.8	11.6	12.0	14.4	12.8	12.1	12.5	9.6	8.8	8.6	8.2	7.9	7.6	7.6	7.3	7.3	10.2
10	7.1	7.1	6.0	5.6	5.4	5.3	5.2	5.0	5.3	5.2	5.2	5.5	5.5	5.4	5.7	5.5	5.3	5.0	5.0	4.7	4.3	4.3	4.2	4.1	5.3
1inci onluk	118.7	118.0	117.7	115.9	115.9	113.4	115.7	115.3	120.3	125.1	128.7	136.8	137.0	138.9	139.1	129.2	124.8	125.1	123.5	119.6	119.7	119.5	117.0	114.2	12.3
11	3.9	4.0	4.5	4.6	4.9	4.8	5.0	5.0	5.3	5.7	6.7	8.4	8.4	8.0	8.7	7.8	7.4	7.0	6.3	6.9	6.4	6.3	6.0	6.1	6.2
12	6.6	5.3	5.3	5.0	5.1	5.3	5.7	6.1	7.1	9.3	9.7	9.4	9.3	10.3	8.7	8.0	7.0	6.7	6.0	5.9	5.7	5.6	5.4	5.3	6.8
13	5.4	5.4	5.7	5.9	6.0	6.2	6.8	?	?	?	?	?	?	6.8	6.5	6.2	6.2	6.2	6.6	6.7	6.8	6.7	6.6	6.3	6.8
14	6.5	6.5	6.5	6.5	6.3	6.2	6.6	6.8	6.5	6.8	6.3	6.9	6.8	6.8	6.8	6.6	6.4	6.3	6.3	6.4	6.2	6.3	6.4	6.5	6.5
15	6.5	6.5	6.4	5.9	5.9	6.9	7.1	7.4	9.0	11.7	12.5	13.0	13.0	12.9	12.6	12.3	12.4	12.4	12.5	12.4	12.6	12.2	11.6	11.6	10.3
16	11.2	11.1	11.0	11.3	11.2	10.7	10.9	11.4	12.6	13.6	14.2	14.6	14.0	14.0	14.2	13.4	11.0	9.7	9.1	9.1	9.1	9.0	9.0	9.0	11.4
17	9.1	9.1	9.2	9.5	9.5	10.6	10.7	10.9	11.6	11.4	11.5	12.2	12.2	10.9	10.4	9.8	8.8	8.1	7.5	7.0	6.8	6.9	7.0	7.4	9.5
18	7.4	7.4	7.3	6.8	6.5	6.4	6.3	6.1	6.3	7.0	7.2	8.0	7.6	7.5	7.3	6.8	6.5	6.5	6.3	6.4	6.5	6.5	6.4	6.4	6.8
19	5.7	5.7	5.7	5.6	5.6	5.6	5.8	5.8	7.0	8.3	8.7	9.0	8.5	8.9	8.5	7.5	6.0	5.0	4.1	4.1	3.9	3.2	2.9	2.9	6.0
20	2.5	2.1	2.1	2.2	2.3	2.4	3.8	4.0	5.8	7.4	8.3	8.8	9.0	9.9	9.8	9.1	8.3	8.3	8.1	8.6	8.6	8.4	7.2	7.8	6.5
2inci onluk	64.8	63.1	63.7	63.3	63.3	65.1	68.7	63.5	71.2	81.2	85.1	90.3	88.8	96.0	93.5	87.5	80.0	76.2	72.8	73.5	72.6	71.2	68.6	69.6	7.7
21	7.8	8.3	8.8	7.8	7.8	9.2	8.3	7.5	9.0	9.7	10.6	11.0	12.2	12.9	12.7	9.0	8.8	8.8	7.7	4.0	3.1	?	?	?	8.8
22	?	?	?	?	?	?	0.5	-0.2	0.0	0.0	0.5	0.3	1.0	1.8	1.1	-0.8	-0.4	-0.8	-0.6	-1.2	-0.9	-0.9	0.7	-1.3	-0.1
23	-1.0	-1.0	-1.5	-1.6	-2.6	-2.1	-2.3	-2.8	0.0	0.4	2.4	3.5	3.7	3.9	3.4	3.0	2.5	2.6	2.7	2.9	3.0	3.3	3.5	1.2	1.2
24	2.8	2.6	2.3	3.6	3.9	3.9	3.7	4.1	4.9	5.9	6.5	6.0	6.0	6.9	7.2	6.3	6.3	6.3	6.3	6.3	6.4	6.5	6.4	6.2	5.3
25	6.2	6.2	6.3	6.3	5.7	5.9	5.9	6.1	6.8	7.2	8.7	8.4	9.3	9.3	9.7	9.2	9.2	9.2	9.3	9.2	8.8	8.9	8.9	8.9	7.9
26	8.5	8.2	8.3	7.9	8.1	9.3	9.8	9.8	9.8	10.5	10.5	11.2	11.3	11.6	12.4	12.5	13.0	12.0	11.6	12.4	12.4	12.5	12.6	12.1	10.8
27	12.2	12.4	12.4	12.1	12.0	11.5	11.5	11.5	11.8	10.9	10.8	10.7	10.3	10.6	10.4	10.7	10.7	11.0	11.0	12.1	13.5	11.5	11.2	12.0	11.5
28	11.2	12.2	10.6	10.7	5.0	2.0	0.5	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.6	0.6	0.5	0.4	0.1	0.0	0.0	-0.1	0.0	2.3	
29	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9	1.4	1.8	2.0	2.0	2.0	2.0	2.2	2.4	2.7	3.4	3.8	4.2	4.3	4.3	4.4	4.7	2.1
30	4.7	4.4	4.4	4.3	4.2	4.2	4.3	4.4	4.8	5.2	5.3	5.3	5.0	5.1	5.0	5.0	4.8	4.2	4.1	3.2	3.1	3.2	3.3	3.8	4.4
31	3.8	4.0	4.1	4.3	4.3	3.5	1.7	1.5	2.0	1.1	2.2	0.0	0.0	0.1	0.1	-0.1	-0.1	0.0	0.0	0.2	0.2	0.2	0.3	1.3	1.3
3inci onluk	56.2	57.3	55.7	55.4	48.8	48.3	44.3	42.8	50.5	52.7	57.5	58.6	61.4	64.8	64.8	57.8	57.8	57.0	55.9	53.1	53.9	49.2	49.5	50.2	5.1
Ortalama	8.0	7.9	7.9	7.8	7.6	7.6	7.4	7.4	8.1	8.6	9.0	9.5	9.6	9.7	9.6	8.9	8.5	8.3	8.1	7.9	7.9	7.9	7.8	7.8	8.3

Bağul nem — Humidiité relative

Ekim 1939 — Octobre 1939

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Gün Jour	S A A T — H E U R E																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	77	76	73	77	87	90	89	78	68	57	55	60	60	77	70	75	80	90	93	96	91	81	60	64	76
2	68	95	80	80	82	84	78	76	76	72	70	64	72	60	51	50	55	57	60	68	68	90	84	82	72
3	84	85	85	80	82	85	84	88	75	83	75	70	95	76	70	68	73	80	86	78	74	73	70	73	79
4	75	75	83	74	82	83	73	64	70	61	62	62	62	59	60	56	58	70	95	88	89	92	93	100	74
5	97	91	90	90	92	94	93	90	80	86	83	72	83	86	78	82	83	84	87	85	86	89	92	92	87
6	95	97	98	98	98	98	94	80	88	75	75	75	71	61	55	61	62	75	85	84	85	95	99	90	83
7	99	99	99	99	99	99	99	98	95	82	80	75	77	76	72	80	88	94	94	95	95	98	98	95	91
8	95	95	100	96	96	100	96	100	82	72	70	65	57	86	90	88	97	98	98	98	98	95	85	75	89
9	67	64	70	53	58	56	74	55	50	68	100	90	78	74	78	47	95	98	96	100	98	98	90	94	77
10	90	75	75	70	65	74	74	64	60	46	44	46	50	52	56	46	55	60	70	60	71	82	71	72	64
1inci onluk	847	852	833	817	841	863	854	793	747	702	714	679	705	707	680	653	746	806	864	852	855	893	842	837	79
11	71	73	85	76	82	72	77	76	75	65	60	58	54	58	53	55	60	65	70	71	75	77	85	82	70
12	84	84	85	83	81	82	82	76	68	65	67	61	61	63	66	66	72	80	81	80	76	82	83	88	76
13	88	92	95	91	100	100	100	100	100	90	85	73	81	77	67	72	77	76	77	86	86	88	93	98	87
14	99	95	90	97	97	92	93	80	72	77	70	60	53	58	61	65	60	70	75	64	70	80	86	90	77
15	82	84	84	85	85	86	86	82	76	70	63	61	69	69	60	60	65	70	74	75	79	87	90	84	76
16	84	84	85	87	86	80	82	78	70	60	59	58	58	52	45	51	64	72	60	65	68	68	69	65	69
17	67	70	65	71	71	76	76	75	65	63	63	55	57	55	48	50	52	55	42	47	44	47	50	47	59
18	44	50	60	80	90	92	92	85	70	60	58	54	45	55	45	43	62	72	80	70	76	70	68	68	66
19	75	78	83	82	94	97	92	?	?	?	52	60	54	52	47	48	50	55	52	56	57	57	56	60	65
20	65	65	65	75	90	100	96	72	75	70	60	45	60	62	53	45	60	72	80	71	68	90	75	85	71
2inci onluk	759	775	797	827	876	877	876	734	671	620	637	585	592	601	545	555	622	687	691	685	699	746	755	767	72
21	85	92	72	73	68	70	67	54	58	52	45	38	33	39	32	37	35	49	40	44	53	53	54	58	54
22	60	66	78	83	80	80	81	88	83	85	90	81	84	77	77	72	83	92	97	100	100	100	100	90	85
23	94	88	78	83	88	90	91	89	85	75	77	70	75	75	80	84	90	95	97	100	93	91	88	88	86
24	93	92	93	90	100	90	84	77	75	62	50	54	50	48	44	46	50	52	53	51	52	47	50	60	65
25	85	90	100	97	97	97	97	97	97	97	97	85	97	95	97	92	88	84	86	85	88	87	91	91	92
26	92	92	88	86	86	90	91	88	78	72	70	65	65	61	63	68	70	85	92	90	87	70	77	80	79
27	90	70	60	62	65	70	71	70	71	70	70	65	60	62	51	55	58	58	66	60	68	62	80	92	67
28	83	83	80	68	66	68	74	65	60	50	50	50	51	53	51	56	58	51	52	53	57	53	55	55	60
29	53	54	60	57	59	55	52	50	47	54	51	63	68	48	43	40	43	38	43	42	40	50	60	90	53
30	48	54	50	57	53	50	53	51	55	54	54	46	45	38	37	40	44	45	47	43	45	36	37	41	47
31 üncü onluk	44	45	50	47	65	50	58	62	68	67	65	53	45	43	47	50	57	62	60	63	67	77	73	65	58
onluk	827	826	809	803	827	810	819	791	777	738	719	670	673	639	622	640	676	711	733	731	751	730	763	810	68

S A A T — H E U R E

Ortalama

Gün
Jour

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Moyen
1	70	70	68	70	68	72	60	68	71	64	43	45	47	44	46	54	59	64	68	68	69	73	80	80	63
2	83	80	75	80	70	70	68	65	57	47	52	57	54	55	58	64	93	100	93	98	93	95	94	93	75
3	93	92	93	93	87	87	89	91	84	78	77	78	80	82	100	95	92	92	100	100	96	98	97	99	91
4	100	100	98	96	95	92	91	90	100	100	94	90	100	100	97	95	88	82	81	88	83	84	85	87	92
5	86	88	95	90	94	92	89	89	82	72	67	62	60	57	58	63	68	73	77	77	79	76	76	77	77
6	78	80	78	78	77	74	78	74	67	70	?	?	?	66	?	?	?	?	?	?	86	91	90	85	78
7	85	88	86	85	85	83	81	78	75	71	70	67	61	60	60	70	71	66	66	64	68	68	65	65	72
8	64	63	62	62	60	100	98	90	90	85	80	65	70	83	100	100	83	80	82	95	87	100	90	90	83
9	100	100	90	85	86	85	86	95	80	77	70	100	85	86	86	84	85	84	83	82	80	82	80	80	86
10	84	83	83	80	76	72	74	73	65	58	58	60	60	60	64	68	73	77	85	87	80	77	80	75	73
1inci onluk	843	844	828	819	798	827	814	813	771	722	611	624	617	693	669	693	712	718	735	759	821	844	837	831	79
11	73	75	78	75	78	85	70	63	72	60	58	68	72	72	76	80	85	88	88	87	88	90	90	88	78
12	91	93	94	91	87	88	82	80	78	72	67	62	63	66	72	76	80	86	88	85	83	90	85	85	81
13	89	89	90	90	95	95	89	80	80	72	70	63	63	74	82	86	93	95	98	99	100	100	98	95	87
14	100	100	98	98	99	100	100	98	96	87	80	76	76	69	83	91	96	93	94	90	91	100	100	87	92
15	97	97	97	97	97	97	97	97	97	97	85	80	70	69	75	87	90	88	95	98	86	85	87	80	89
16	95	95	97	90	90	84	84	80	80	77	73	77	80	78	88	97	90	87	95	84	80	78	83	85	85
17	85	87	92	93	91	94	91	90	87	80	78	72	69	79	79	82	87	87	86	87	81	81	84	91	85
18	95	95	100	100	100	100	100	100	100	100	85	75	75	73	73	73	77	69	73	80	72	74	70	73	86
19	77	82	84	80	92	82	85	65	64	62	75	78	88	85	64	55	52	56	63	70	70	75	63	75	73
20	90	75	75	63	75	88	82	80	75	64	54	45	40	38	39	40	43	45	50	56	67	80	98	80	64
2inci onluk	892	888	904	877	904	913	880	833	829	771	725	696	696	710	731	764	793	794	830	836	818	853	858	839	82
21	80	57	65	75	70	61	74	90	85	80	78	90	98	94	92	100	93	88	82	89	89	94	98	100	84
22	100	96	95	96	100	100	100	100	100	100	100	100	93	97	95	100	100	100	100	100	100	100	100	100	99
23	100	100	100	100	100	100	100	100	100	100	100	100	100	98	92	95	98	90	93	85	85	85	85	80	95
24	81	77	76	76	75	75	75	74	70	68	69	65	67	62	63	69	70	73	77	80	83	84	86	88	75
25	87	89	88	88	88	90	88	82	72	62	60	57	75	87	70	73	83	78	76	75	77	77	76	76	78
26	79	80	74	82	84	84	96	94	100	100	100	100	90	80	77	75	70	70	67	97	86	86	93	87	86
27	87	85	83	80	77	79	80	73	70	65	60	58	55	55	56	56	60	60	62	57	52	59	58	60	66
28	63	65	64	61	62	60	64	60	61	53	48	45	43	49	50	43	48	53	57	57	57	54	58	59	55
29	65	73	76	70	75	70	76	73	68	65	70	74	77	82	90	96	96	97	98	100	94	82	84	97	81
30	80	85	78	86	90	85	80	87	85	86	64	56	50	53	62	74	75	76	77	78	85	90	76	84	77
3inci onluk	822	807	799	814	821	804	833	833	811	779	749	745	748	756	750	784	787	785	785	818	808	811	814	831	80
Ortalama	85	85	84	84	84	85	84	83	80	76	72	71	71	72	74	77	79	79	81	83	82	84	84	83	80

Gün Jour	SAAT — HEURE																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	85	96	98	100	100	90	94	90	90	82	88	80	78	86	83	86	89	93	96	90	90	85	80	87	89
2	88	89	95	93	92	90	90	93	93	94	90	85	88	74	86	83	87	90	93	95	93	94	92	93	90
3	90	91	95	93	93	94	85	82	80	76	78	73	77	78	75	71	80	85	87	83	82	75	73	70	82
4	65	65	60	66	74	77	73	70	68	65	67	62	?	53	50	55	50	56	57	58	58	58	59	60	62
5	65	68	65	63	68	72	75	73	77	73	70	66	69	66	65	68	62	60	62	66	66	75	67	70	68
6	69	70	80	100	86	88	79	79	86	80	80	77	78	79	72	77	75	65	67	69	57	57	54	54	74
7	50	52	51	52	47	44	51	46	45	48	45	42	40	41	44	47	46	35	35	43	44	42	46	49	45
8	42	48	43	42	44	60	57	80	90	90	83	83	88	74	82	95	95	100	94	94	90	90	94	100	77
9	95	92	85	80	80	86	74	72	74	78	76	66	75	74	72	95	99	96	96	97	97	99	96	93	85
10	87	85	100	100	100	100	100	100	100	100	100	100	100	100	100	96	97	96	94	98	98	98	92	90	97
1inci onluk	736	756	772	791	784	801	778	790	803	786	777	734	693	725	723	775	780	776	781	799	775	773	753	766	77
11	85	83	84	80	80	75	78	65	75	78	73	75	74	75	76	77	75	81	84	75	80	84	86	84	78
12	82	100	91	92	90	86	91	88	84	70	70	65	65	70	74	80	77	83	85	87	87	89	91	92	83
13	90	90	89	90	90	90	87	85	85	83	85	90	97	93	100	95	93	92	91	90	86	90	93	95	90
14	99	98	99	96	96	99	99	99	99	99	99	90	88	91	93	97	100	100	98	96	95	94	93	96	96
15	95	94	95	96	96	88	88	83	76	70	64	60	55	59	59	59	67	70	73	77	73	85	91	88	78
16	93	93	93	92	93	96	87	86	80	72	72	70	70	71	71	75	100	100	100	100	100	100	100	100	88
17	100	100	100	100	100	100	100	100	95	97	96	89	90	99	100	100	99	93	93	91	91	88	90	89	96
18	88	85	87	83	82	80	86	80	74	72	69	67	72	73	74	82	78	78	78	73	80	78	80	81	79
19	82	85	87	92	90	85	83	85	70	65	63	52	55	53	55	58	60	68	73	73	70	68	74	73	72
20	74	77	73	75	80	87	84	80	78	74	70	73	69	67	69	75	82	85	85	78	73	73	77	72	76
2inci onluk	888	905	898	896	897	886	883	851	816	780	761	731	735	751	771	798	831	850	860	845	835	849	875	870	84
21	72	67	58	64	61	55	72	90	65	65	63	61	61	61	70	80	100	100	100	100	100	100	100	100	78
22	100	100	80	75	78	85	80	95	80	80	78	58	63	60	93	75	93	83	95	92	96	92	90	89	84
23	82	79	80	83	85	82	85	70	74	71	71	70	70	71	70	68	73	70	72	70	70	71	73	76	74
24	76	80	81	79	76	75	73	69	67	68	70	69	68	69	68	65	71	73	73	66	67	70	71	67	71
25	67	70	76	79	75	80	74	74	73	65	67	69	69	67	69	71	72	76	73	80	81	75	75	70	73
26	79	81	78	78	78	65	63	64	66	71	62	60	74	72	62	65	61	70	78	73	73	74	74	79	71
27	79	81	84	87	90	86	89	96	97	100	96	99	99	97	98	99	99	90	94	80	73	95	95	80	91
28	90	70	85	87	100	98	96	96	96	96	96	95	94	94	94	85	85	87	100	100	100	100	100	100	94
29	100	99	98	97	95	93	92	92	92	92	90	90	90	90	90	91	92	93	93	94	93	93	96	96	94
30	96	95	96	97	93	93	97	97	98	97	98	95	92	94	95	97	98	98	97	97	97	97	98	99	96
31	100	100	100	94	95	100	100	100	100	100	100	100	95	93	97	92	97	97	92	90	84	86	86	88	95
3üncü onluk	941	922	916	920	926	912	921	943	908	905	891	866	874	868	907	889	942	937	968	942	934	953	958	944	84

Gün Jour	S A A T — H E U R E											
	1	2	3	4	5	6	7	8	9	10	11	12
1	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 2	SEE 2	SE 1	SE 2	S 1	SSW 1	SW
2	SSW 7	SSW 6	SSW 11	SSW 8	SSW 9	SW 7	SW 9	SW 8	SW 6	SW 7	SW 8	SW
3	SW 8	SW 6	SW 4	SW 4	SW 4	SW 4	SW 5	SW 4	SWW 6	SW 6	SW 6	SW
4	S 2	S 3	S 3	SSW 4	SSW 5	SSW 5	SSW 8	SSW 9	SW 6	SW 9	SW 11	SW
5	NNE 5	NNE 6	NNE 7	NNE 7	NNE 4	NNE 5	NNE 6	NNE 5	NNE 6	NNE 5	NNE 8	E
6	SEE 0	SEE 3	SEE 1	SEE 2	SEE 0	SSE 4	S 3	SSW 6	SW 8	SW 6	SW 7	SW
7	N 3	NNE 3	NNE 3	NNE 5	NNE 5	NNE 5	NNE 5	NE 6	NE 6	NE 5	E 4	NE
8	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NE 0	NE 0	NE 4	SEE 4	SEE 0	SE 0	SE
9	SSE 5	SSE 5	S 0	SSE 2	SSE 4	S 7	SSW 3	SSW 4	S 8	S 9	SWW 9	SSW
10	N 2	N 4	N 2	NW 4	NNW 2	NNW 2	N 0	NNW 0	NWW 1	NW 2	W 2	SW
11	NNW 1	NNW 1	N 2	N 4	N 1	N 2	N 1	N 2	N 3	N 4	N 3	N
12	NE 3	E 4	NE 4	NEE 4	E 5	NE 4	NE 4	NE 3	NE 6	NE 8	NE 8	NE
13	NEE 0	NEE 0	NE 0	NE 0	NE 0	N 3	N 4	NNW 0	N 0	N 3	N 5	N
14	NNE 0	NNE 1	NNE 1	NNE 1	NNE 1	NNE 0	NNE 0	NNE 0	NNE 0	NW 0	NW 0	NW
15	SEE 2	SEE 2	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 1	NE 1	SSE
16	SE 0	SE 0	SE 0	SE 0	SSE 0	SE 0	SE 0	SE 0	SE 0	SSE 0	SSE 1	SSE
17	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 1	SEE 0	S 1	S
18	N 3	N 3	N 3	N 4	N 3	N 2	N 2	N 1	N 0	N 0	N 0	SWW 0
19	SWW 0	SWW 0	SWW 0	SWW 0	SWW 0	SWW 0	SW 0	SW 0	SW 0	SW 4	SW 3	SW
20	SE 4	SE 0	SE 0	NNE 0	NE 2	NE 0	NE 2	NE 2	NE 0	NE 0	NNE 0	NNE
21	SWW 4	SW 5	SW 5	SW 4	SSW 5	S 5	S 4	S 6	SSW 7	SSW 5	SW 5	SW
22	NNW 2	NE 2	E 1	E 1	SEE 3	SEE 2	E 1	N 1	N 2	N 4	N 5	N
23	NNE 4	NNE 6	NE 5	NE 4	NE 4	N 4	NE 4	NE 1	N 0	N 2	N 3	N
24	E 4	E 0	E 4	SEE 4	SEE 1	SEE 1	SEE 0	NEE 0	NNW 0	NNW 0	NW 1	SWW 2
25	W 2	SW 1	NNW 2	N 5	N 4	N 6	N 5	N 4	N 5	NNW 7	NNW 8	NNW
26	NE 3	NE 3	NE 4	NE 2	NE 2	NE 3	NNE 2	NE 2	SEE 3	SEE 3	SE 1	SE
27	SSE 11	SSE 10	S 12	SSW 11	SSW 14	SSW 13	SSW 13	SSW 16	SSW 14	SSW 15	SSW 12	SW
28	SE 5	SE 6	SE 2	SE 3	SSE 2	SSE 0	SE 4	SSE 4	SE 6	SSE 8	S 8	SSW
29	SSE 7	SSE 7	SSE 7	SSE 6	SE 8	SE 8	SSE 9	S 9	SSW 15	SSW 13	SSW 17	SSW
30	SWW 15	SWW 12	SWW 11	SWW 11	SWW 13	SWW 12	SWW 10	SWW 14	SWW 14	SW 14	SW 14	SW
31	W 4	NNW 4	NW 0	NW 0	NW 0	NW 0	NW 1	S 2	SE 0	SE 0	NNW 1	NNW
Galip yön	E	SEE	E	E	E	E	E	E	SEE	S	SWW	SW

S A A T — H E U R E												Gün Jour
13	14	15	16	17	18	19	20	21	22	23	24	
2 SW 0	SW 3	SE 2	E 4	NEE 5	NE 3	E 3	E 3	SE 2	S 7	S 7		1
W 5	SW 5	SWW 6	SW 8	SW 4	NWW 6	SWW 5	W 3	SW 4	SW 4	SW 3	SW 9	2
W 1	SW 0	SW 3	S 3	S 3	S 3	S 2	S 0	S 1	S 0	S 2	S 2	3
6 SW 8	SW 5	SW 3	SWW 5	NW 5	NNE 8	NNE 7	NNE 7	NNE 5	NNE 4	NNE 6		4
5 NEE 8	SEE 7	NEE 6	E 4	E 4	SEE 5	SEE 6	SEE 6	SEE 4	SEE 5	SEE 4		5
4 W 5	NWW 6	W 3	W 3	SWW 4	SSW 1	NW 0	NW 0	NNW 1	NNW 0	NNW 1		6
4 NNE 4	NE 4	NE 4	NE 4	NEE 3	NEE 3	NEE 2	NEE 2	NEE 1	NEE 0	NEE 0		7
2 N 5	N 3	N 4	N 3	N 2	E 4	E 2	E 2	E 3	E 2	E 1		8
13 SSW 10	SSW 9	SWW 12	N 5	N 3	NNE 2	N 1	NNE 0	NNE 1	NWW 3	NWW 1		9
4 SW 5	W 4	W 4	NWW 2	W 3	W 1	W 0	NW 1	NW 0	NW 0	NNW 0		10
5 N 6	N 6	N 5	NNE 4	NE 4	NE 4	NE 4	NE 3	NE 2	E 3	E 4		11
9 NE 8	NE 9	NE 9	NE 6	NE 4	NE 3	NE 3	NE 3	E 5	NEE 3	NEE 0		12
4 N 4	N 4	N 5	N 3	N 3	NNE 2	NNE 3	NNE 2	NNE 1	NNE 1	NNE 0		13
7 0 NW 0	N 2	N 2	E 4	E 4	SEE 3	SEE 4	SEE 5	SEE 3	SEE 2	SEE 2		14
2 SW 1	SW 2	SW 1	SW 1	SW 0	SW 0	SE 4	SE 5	SE 3	SE 2	SE 0		15
W 2	SSW 3	SSW 0	SSW 0	SSW 0	SE 1	E 4	E 3	SEE 4	SEE 4	SEE 0	SEE 0	16
2 N 4	N 4	N 5	N 4	N 2	N 2	N 3	N 2	N 3	N 2	N 2		17
0 W 0	SWW 0	SWW 0	W 0	W 1	W 0	W 0	W 0	W 0	W 0	W 0		18
0 SW 0	SW 0	SW 0	SW 0	SW 0	SWW 0	SW 0	SSW 0	SWW 0	SE 2	SE 4		19
W 0	N 0	N 0	NNW 0	NNW 2	NNW 3	N 3	NWW 1	SWW 2	SWW 4	SWW 4	SWW 5	20
6 SW 4	SW 4	SSW 4	SSW 2	SW 3	SSW 0	S 2	SSW 4	S 3	SSW 2	NWW 3		21
7 N 7	N 5	NNE 5	NNE 5	NNE 5	NE 5	NE 4	NNE 3	NNE 5	NNE 4	NNE 6		22
E 6	NNE 5	NNE 5	NNE 5	NNE 4	NE 5	NE 5	E 4	NEE 3	E 5	SEE 4	E 2	23
W 1	SWW 4	SWW 3	SWW 1	SWW 0	SWW 1	SWW 1	SWW 2	SWW 3	S 4	S 4	SWW 4	24
W 7	NNW 6	NNW 6	NNW 5	NNW 5	NNW 4	NNW 3	NE 3	NNE 3	NNE 4	NE 2	NE 2	25
0 SSW 3	SW 0	SW 0	SW 0	E 5	SE 7	SE 8	SE 9	SSE 7	S 19	S 16		26
12 SW 10	W 10	W 10	W 10	W 7	NW 0	NWW 0	SSW 2	SSW 0	SE 3	SE 5		27
8 S 6	SSW 5	S 5	SSE 5	S 6	S 6	SSE 7	SE 7	SE 7	SE 7	SE 7		28
12 W 15	W 21	W 15	W 14	W 17	SWW 13	SWW 13	SWW 14	W 13	W 10	SWW 12		29
W 14	SWW 15	SWW 15	SW 17	SW 15	SW 12	W 12	SWW 0	NNW 10	NW 8	W 4	SWW 4	30
1	NWW 3	SW 4	W 1	NNW 3	N 5	N 6	N 6	N 8	NNE 4	N 3	NNW 5	31
W	W	W	W	NWW	NNW	N	NE	NNE	E	SEE	E	Galip yön

S A A T — H E U R E

Gün
Jour

	1	2	3	4	5	6	7	8	9	10	11	12
1	NNW 3	NNW 4	NNW 5	NW 6	NNW 5	NNW 2	NW 6	N 0	N 0	NNW 0	NNW 0	SW 2
2	SE 3	SE 4	SSE 2	SSE 5	SSE 5	SE 5	SSE 2	S 6	S 7	SSW 9	S 10	SSW
3	N 5	N 6	N 5	N 5	NNE 4	NNE 4	NNE 3	N 2	N 2	N 3	NNW 3	N 5
4	N 4	N 3	N 4	N 4	N 4	N 4	N 4	N 3	N 4	N 5	N 5	N 6
5	NNE 2	NNE 0	NEE 4	NE 5	E 4	NE 4	NEE 4	NE 4	NEE 5	E 6	NEE 7	NE 6
6	NEE 1	NEE 1	NEE 3	NEE 2	E 7	E 4	E 5	E 3	E 7	E 7	E 6	NEE 6
7	NNE 8	NNE 8	NNE 9	NNE 7	NNE 6	NNE 8	NNE 9	NNE 10	NNE 10	NNE 10	NNE 10	NNE 10
8	NNE 5	NNE 4	NNE 3	NNE 4	NNE 3	N 6	SEE 4	N 3	N 3	NNE 4	N 2	N 6
9	NNE 6	NNE 6	NNE 7	NNE 8	NNE 8	NNE 7	NNE 8	NNE 7	NNE 6	NNE 7	NNE 7	NNE 10
10	NNE 4	NNE 5	NNE 4	NNE 4	NNE 4	NNE 4	NNE 5	NNE 4	NNE 4	NE 5	NNE 4	NNE 8
11	E 2	NE 4	NE 2	E 3	E 3	SEE 3	SEE 2	E 3	NNE 1	N 2	NE 5	NNE 5
12	NE 3	NE 4	NE 4	NE 4	NE 4	NNE 4	NNE 4	NNE 5	N 4	NNE 6	NNE 4	E 5
13	NE 4	NE 4	NE 4	NE 3	NE 2	E 4	E 3	SEE 2	SEE 0	E 2	E 0	E 0
14	N 4	NEE 3	NE 3	NE 4	E 3	E 2	E 2	E 2	E 0	E 0	N 0	N 0
15	N 1	N 1	NNE 2	NNE 2	NE 3	NEE 4	E 5	E 5	E 4	NNE 2	NNE 0	NNE 1
16	S 3	SEE 0	SEE 2	SEE 3	SE 2	SE 4	SE 2	SSE 2	SSE 4	SSE 0	SSE 4	S 1
17	S 2	S 1	S 0	S 2	S 1	S 0	S 1	S 0	S 0	S 1	SSW 1	SSW 1
18	SW 4	SW 3	SSW 5	SSW 7	N 8	N 7	N 8	N 8	N 8	NNW 5	NWW 3	NNW
19	NW 7	NW 6	NW 6	NNW 6	NNW 7	NNW 8	N 9	N 12	N 11	NNW 11	NNW 12	NNW 1
20	N 0	N 0	N 0	N 0	NE 3	SE 4	SE 5	SE 6	SE 5	SE 6	SE 3	SE 0
21	SE 8	SE 11	SE 12	SE 11	SE 8	SE 9	SSE 10	SSE 8	SSE 2	SSE 5	SSE 7	SSE
22	NW 9	NW 10	NW 0	NNW 8	NNW 10	NNW 8	NNW 9	NNW 7	NNW 7	NNW 7	NNW 6	NNW
23	N 6	N 6	NNE 6	NNE 8	NNE 7	NNE 8	NNE 10	NNE 8	NNE 11	N 12	N 11	NNW 1
24	N 5	N 4	N 5	NNE 5	NNE 6	NNE 5	NNE 3	NNE 5	NNE 4	N 5	NNE 5	NNE
25	E 4	NEE 5	NE 3	NEE 4	NE 5	NE 3	NNE 3	NNE 3	NNE 3	NNE 9	NNE 9	NNE
26	NNE 3	NNE 1	NE 4	NE 2	NNE 2	N 2	N 3	N 3	NNW 3	NNW 11	NNW 11	NNW 1
27	NW 1	NWW 2	NNW 0	NNW 2	NW 0	NNW 0	NWW 0	NW 0	NW 0	S 2	S 4	SW
28	SSW 5	S 6	S 6	S 5	S 5	S 4	SSE 5	SSE 6	SSE 6	SSE 4	S 4	S
29	SE 4	S 3	S 2	S 3	S 4	SSW 5	SW 4	SSW 3	SSW 7	SSW 7	SSW 7	SSW
30	SSE 1	SSE 2	SSE 2	E 3	NNE 3	NNE 2	NNE 3	NNE 3	NNE 0	SEE 0	SEE 1	NNW
Galip yön	N	N	N	NNE	NNE	NE	NE	NE	NE	NE	NE	NE

S A A T — H E U R E

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	5
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Gün Jour	S A A T — H E U R E											
	1	2	3	4	5	6	7	8	9	10	11	12
1	SSE 1	SSE 1	S 3	S 5	SSW 5	SSW 6	SW 7	SSW 7	SSW 6	SSW 7	SSW 9	SSW 10
2	SSW 7	SSW 7	SSW 8	SSW 0	SW 8	SW 3	SW 2	SW 4	SSW 1	SSW 3	SSW 5	SSW 5
3	SSW 3	S 4	SSW 3	SSW 3	SSW 3	SSW 4	SSW 3	SSW 4	SSW 4	SSW 6	SSW 6	SSW 6
4	SSE 3	SSE 3	SSE 2	SSE 2	SSW 2	S 3	SSE 3	SSE 3	SSE 2	SSE 0	SSE 0	SSE 1
5	S 1	SSE 2	SSE 1	SSE 4	S 3	S 2	S 5	S 1	S 4	S 5	SSW 4	SSW 5
6	SSE 1	SSE 1	SWW 5	S 3	S 3	S 1	SSE 1	S 2	S 1	S 2	S 4	SSW 5
7	S 15	S 11	S 14	S 14	SSE 12	SS 13	SSE 10	SSE 11	SSE 11	SSE 10	S 11	S 14
8	S 12	SSE 13	SSE 12	SSE 13	SSE 13	S 7	SSE 4	SSW 1	SSE 0	S 5	S 5	SSE 1
9	SSE 7	SSE 5	SSE 3	SSE 5	SSE 5	S 3	SSE 5	S 3	SSE 2	SSW 6	SW 5	SW 3
10	NNW 10	NNW 9	NNW 9	NNW 9	NNW 10	NNW 8	NNW 8	NNW 7	NNW 7	NNW 6	NNW 5	NW 5
11	W 0	SWW 0	SWW 1	SW 0	SWW 0	W 0	SWW 0	SWW 0	SW 0	NNW 1	NNW 2	NW 0
12	SE 0	NW 5	N 3	NNE 3	NNE 0	NNE 0	NNE 0	N 0	N 1	N 1	NNE 0	W 0
13	NE 3	NE 5	NE 4	NE 5	NNE 5	NNE 6	NNE 5	NE 6	NE 0	NE 4	NE 7	NNE 8
14	NNE 5	NNE 5	NNE 3	NNE 3	NNE 3	NNE 4	NNE 6	NNE 7	NNE 7	NNE 5	NNE 5	NNE 5
15	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	E 0	E 1	E 0	E 0	SSE 2	S 3
16	SSW 5	SSW 6	SSW 5	SSW 4	SSW 6	SSW 4	SSW 5	SSW 5	SSW 3	SSW 5	SW 5	SW 5
17	NNE 0	NNE 0	NNE 2	NW 0	S 0	S 1	S 2	S 2	S 1	S 0	S 0	SW 1
18	NNE 7	NNE 9	NE 8	NNE 8	NNE 8	NNE 6	NNE 5	NNE 5	NNE 6	NNE 6	NNE 8	NNE 8
19	E 3	NE 4	NE 3	E 0	E 0	E 2	E 1	E 0	E 3	SEE 3	E 1	SEE 2
20	SEE 4	SEE 0	SEE 0	SEE 0	SEE 0	SEE 0	SEE 2	SEE 2	SE 1	SE 2	SW 8	SSW 5
21	S 1	S 3	SSE 4	SSE 4	SE 5	SE 2	SSE 3	SE 7	SE 8	SE 11	SE 8	SSE 10
22	N 18	N 22	N 27	N 18	N 18	N 16	N 16	N 10	N 18	N 16	N 17	N 13
23	N 5	N 1	N 0	N 1	N 0	N 0	NE 0	E 1	S 0	W 0	SWW 1	SWW 0
24	W 1	SW 1	SW 1	SSW 3	SSW 5	SSW 6	SSW 4	SSW 6	SSW 6	SSW 8	SSW 9	SSW 6
25	SSW 8	SSW 7	SSW 7	SSW 8	SSW 8	SSW 9	SSW 6	SSW 8	SSW 6	SSW 8	S 10	S 6
26	SSW 6	SSW 5	SSW 6	SSW 8	SSW 5	SSW 5	SSW 5	SSW 5	S 8	S 6	S 4	S 5
27	SSW 8	SSW 10	SSW 14	SSW 17	SSW 11	SSW 14	SSW 9	SSW 9	S 12	S 14	S 11	S 10
28	SSW 9	SSW 23	SSW 15	SW 8	N 15	N 14	N 16	N 14	N 13	N 6	NNE 10	NNE 10
29	NNE 11	NNE 12	NNE 14	NNE 11	NNE 11	NNE 9	NNE 9	NNE 8	NNE 7	NNE 10	NNE 10	NNE 11
30	NNE 2	E 1	N 0	NW 0	N 0	NW 2	NNW 1	N 3	N 4	N 2	N 4	N 3
31	NNE 5	NNE 6	NNE 10	NE 11	NE 10	NNE 11	N 12	N 10	N 10	N 15	N 17	N 16
Galip yön	SSE	SE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	S	SSW

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Aralık 1939 — Décembre 1939

S A A T — H E U R E												Gün Jour
13	14	15	16	17	18	19	20	21	22	23	24	
V 7 SSW 7	SSW 8	SW 8	SW 7	SW 5	SSW 5	SSW 6	SSW 7	SSW 9	SSW 5	SSW 6		1
W 5 SW 4	SSW 6	SSW 5	SW 4	SSW 3	S 3	S 3	S 4	S 3	S 3	SSW 4		2
W 5 S 5	SW 3	SSW 1	SSW 0	SSW 1	SSE 3	SSE 1	SSE 1	SSE 0	SSE 3	SSE 2		3
2 SSE 2	SSE 4	SSE 4	S 1	SEE 2	SE 4	S 3	SSE 2	SSE 5	SSE 3	SE 4		4
W 6 S 4	SSW 4	S 6	SSE 7	SSE 6	S 6	SSE 3	SSE 2	S 2	SSE 2	SSE 3		5
7 SSW 10	SSW 7	SSW 6	SSW 9	SSW 14	SSW 16	S 8	S 13	S 6	SSE 12	S 14		6
15 S 10	S 12	S 8	S 7	SSE 10	SSE 9	SSE 13	SSE 11	S 8	SSE 10	SSE 5		7
E 0 SSE 2	SSE 0	W 2	W 1	S 2	SSE 5	SE 5	SE 8	S 5	S 11	SSW 7		8
2 SWW 3	SW 2	NW 4	NNW 3	NNW 5	NNW 6	NNW 6	NNW 6	NNW 7	NNW 8	NNW 9		9
W 5 NW 5	NW 4	NW 6	NW 6	NW 6	NW 5	NW 5	NW 5	NW 4	NW 1	W 0		10
WW 0 NNW 2	NNW 0	W 0	W 0	SW 0	S 2	SSE 4	SSE 2	SE 1	SE 2	SE 2		11
W 0 NNW 0	N 2	N 3	NE 4	NEE 3	NEE 1	E 1	NEE 5	NEE 4	NE 4	NE 4		12
NE 7 NNE 7	NNE 7	NNE 5	NNE 5	NNE 6	NNE 4	NNE 4	NNE 6	NE 4	NE 4	NNE 4		13
NE 5 NNE 5	NNE 4	NNE 3	NNE 3	NNE 4	NNE 4	NE 2	NE 2	NEE 3	NEE 2	NEE 2		14
4 S 4	S 4	S 4	SSW 5	SSW 4	SSW 4	SSW 7	SSW 8	SSW 8	SSW 7	SSW 7		15
W 0 SSW 4	SSW 1	SSW 1	NNW 0	NNW 0	N 1	N 1	N 1	NNE 1	NNE 1	NNE 0		16
W 0 NNW 1	NW 2	NNW 7	NNE 8	NNE 10	NNE 9	NNE 8	NNE 9	NNE 7	NNE 7	NNE 5		17
NE 8 NNE 6	NNE 9	NNE 7	NNE 6	E 7	NE 5	NEE 6	NE 3	NEE 5	E 2	NEE 1		18
1 NE 4	E 4	E 3	E 3	E 3	E 2	E 3	E 4	SEE 5	SEE 6	SE 6		19
W 7 SSW 6	SSW 7	SSW 6	SSW 4	S 5	S 5	SSW 3	S 5	S 5	SSE 4	S 2		20
2 S 7	S 7	S 7	NNW 1	NNE 0	N 24	N 26	N 22	N 22	N 21	N 18		21
14 N 13	N 9	NNE 7	N 9	N 9	NNE 6	NEE 4	NNE 2	NEE 0	NW 1	NW 7		22
WW 6 W 9	W 5	W 6	NNW 5	W 3	SWW 3	SWW 3	SWW 3	SWW 5	SWW 4	SWW 4		23
W 7 SSW 8	SSW 7	SSW 7	SSW 7	SSW 7	SSW 7	SSW 8	SSW 7	SSW 7	SSW 8	SSW 6		24
9 S 10	S 7	S 7	S 7	S 7	S 0	S 5	SSW 4	SSW 5	SSW 5	SSW 5		25
6 S 6	S 8	S 9	S 9	S 9	S 9	S 11	S 10	SSW 9	SSW 9	SSW 7		26
E 10 SE 12	SE 11	SE 10	SSE 5	SSE 5	SW 3	SE 7	SSW 18	SSW 11	S 5	SSW 6		27
NE 10 NNE 10	NNE 10	NNE 10	NNE 7	NNE 6	NNE 7	NNE 7	NNE 3	NNE 5	NNE 3	NNE 2		28
NE 13 NNE 10	NNE 7	NNE 4	NNE 5	NNE 3	NNE 3	NNE 3	NNE 2	NNE 3	NNE 1	NNE 1		29
3 N 3	N 2	N 4	NNW 6	NNW 6	NNW 6	NNW 9	NW 7	NNW 4	NNW 2	N 5		30
10 NNE 10	NNE 7	NNE 4	NNE 5	NNE 3	NNE 3	NNE 3	NNE 2	NNE 3	NNE 1	NNE 2		31
SW SSW	SSW	SW	W	SE	SE	SE	SE	SE	SE	SSE	Galip yön	

Gün Jour	S A A T — H E U R E													Toplam Total
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	4-15	15-16	16-17	17-18	18-19	
1	0.5	1.0	1.0	1.0	1.0	0.4	0.5	0.4	—	—	—	—	—	5.8
2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	1.0	1.0	—	—	—	9.2
3	—	—	0.2	0.6	0.5	0.8	0.7	0.5	1.0	0.7	1.0	0.1	—	6.1
4	0.1	0.9	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.6	—	—	9.5
5	—	—	—	—	—	—	0.7	—	0.2	0.7	—	—	—	1.6
6	0.2	1.0	0.9	—	0.1	—	—	—	0.1	0.7	—	—	—	3.0
7	—	—	—	0.1	0.3	1.0	1.0	1.0	1.0	0.6	—	—	—	5.0
8	—	0.1	0.3	1.0	1.0	1.0	0.8	1.0	1.0	0.9	1.0	—	—	8.1
9	—	0.1	0.2	—	—	—	—	0.6	0.9	0.9	0.8	0.2	—	3.7
10	0.2	1.0	1.0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	—	10.4
1 inci onluk	2.0	5.1	5.6	5.4	5.9	6.1	6.7	5.7	7.2	7.5	4.4	0.8	—	62.4
11	—	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	—	9.7
12	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.2	—	10.5
13	—	—	—	—	—	—	—	—	—	—	—	0.2	—	0.2
14	0.2	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	0.8	0.2	—	10.0
15	0.1	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.4	—	10.2
16	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	—	10.5
17	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	—	10.1
18	—	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	—	9.7
19	—	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	—	9.6
20	—	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	—	10.0
2 inci onluk	0.9	8.0	8.8	9.0	8.8	8.7	9.0	9.0	9.0	8.9	8.5	1.9	—	90.5
21	0.2	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	—	—	9.2
22	—	0.2	0.3	0.3	0.3	0.8	0.7	0.4	0.8	0.2	—	—	—	4.0
23	—	0.7	0.2	0.6	1.0	0.9	0.8	0.3	0.3	—	0.2	0.2	—	5.2
24	—	0.9	0.7	1.0	1.0	1.0	1.0	1.0	0.8	0.4	—	—	—	7.8
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	0.3	0.6	0.2	0.8	0.6	1.0	1.0	1.0	1.0	0.1	—	—	6.6
27	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	—	—	9.5
28	—	—	0.3	1.0	1.0	1.0	0.8	0.7	0.7	0.8	0.1	—	—	6.4
29	—	0.8	0.9	0.4	1.0	0.5	0.2	0.6	1.0	0.9	—	—	—	6.3
30	—	0.4	1.0	0.8	0.1	0.5	0.9	1.0	1.0	1.0	0.8	—	—	7.5
31	—	—	—	—	—	—	0.4	0.6	0.8	0.3	—	—	—	2.1
3 üncü onluk	0.5	5.3	6.0	5.8	7.2	7.3	7.8	7.6	8.4	6.6	1.9	0.2	—	64.6
Toplam	3.4	18.4	20.4	20.2	21.9	22.1	23.5	22.3	24.6	23.0	14.8	2.9	—	217.5

Güneşlenme — *Insolation*Kasım 1939 — *Novembre 1939*

Gün Jour	S A A T — H E U R E													Toplam Total
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	
1	—	0.3	0.1	0.7	1.0	1.0	1.0	1.0	1.0	0.7	0.2	—	—	7.0
2	—	0.2	1.0	0.9	—	—	—	0.4	0.2	0.6	—	—	—	3.3
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	0.1	—	0.5	1.0	1.0	1.0	0.6	—	—	—	4.2
6	—	—	0.8	—	—	0.2	—	—	—	—	—	—	—	1.0
7	—	—	—	—	0.1	0.2	1.0	1.0	0.8	—	0.4	—	—	3.5
8	—	—	0.2	0.2	—	0.3	0.9	0.6	—	—	—	—	—	2.2
9	—	0.1	0.5	0.7	0.8	0.6	0.2	0.4	0.1	—	—	—	—	3.4
10	—	—	0.5	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	—	7.8
1 inci onluk	—	0.6	3.1	3.3	2.9	3.8	5.1	5.4	4.1	2.9	1.2	—	—	32.4
11	—	0.1	1.0	1.0	0.8	0.1	—	—	—	0.1	—	—	—	3.1
12	—	0.3	0.2	—	0.1	0.3	1.0	1.0	0.6	0.2	—	—	—	3.7
13	—	0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.2	—	—	8.4
14	—	—	—	—	0.9	1.0	1.0	0.4	0.9	0.7	0.1	—	—	5.0
15	—	0.1	0.2	0.1	—	0.5	0.9	0.9	0.8	0.7	0.1	—	—	4.3
16	—	—	—	0.1	—	—	—	—	0.6	—	—	—	—	0.7
17	—	—	—	0.3	0.3	0.3	0.9	0.3	0.6	0.4	—	—	—	3.1
18	—	—	—	—	—	—	—	—	—	0.1	0.6	—	—	0.7
19	—	—	0.4	0.8	0.7	0.1	—	—	—	0.7	0.5	—	—	3.2
20	—	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.1	—	—	8.4
2 inci onluk	—	1.8	3.8	4.3	4.8	4.3	5.8	4.6	5.2	4.4	1.6	—	—	40.6
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	0.1	0.3	—	—	—	0.4
25	—	—	—	0.9	0.7	1.0	0.8	0.6	—	—	—	—	—	4.0
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	0.4	1.0	1.0	0.7	—	0.1	0.8	0.2	0.3	—	—	4.5
28	—	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	—	9.1
29	—	—	0.7	0.9	0.5	—	—	0.1	0.2	—	—	—	—	2.4
30	—	—	—	—	0.2	1.0	1.0	1.0	1.0	1.0	—	—	—	5.2
3 inci onluk	—	0.5	2.1	3.8	3.4	3.7	2.8	2.8	3.1	2.5	0.9	—	—	25.6
Toplam	—	2.9	9.0	11.4	11.1	11.8	13.7	12.8	12.4	9.8	3.7	—	—	98.6

Gün Jour	S A A T — H E U R E													Toplam Total
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	
1	—	—	—	—	—	—	—	—	—	0.5	—	—	—	0.5
2	—	—	—	—	—	0.6	0.9	0.6	1.0	1.0	0.4	—	—	4.5
3	—	—	0.9	0.8	0.2	1.0	1.0	1.0	1.0	1.0	0.6	—	—	7.5
4	—	—	0.4	0.9	—	—	—	0.1	0.6	—	—	—	—	2.0
5	—	—	—	0.6	0.9	0.7	1.0	0.4	0.4	—	—	—	—	4.0
6	—	—	—	—	—	—	0.1	0.6	0.3	1.0	0.5	—	—	2.5
7	—	—	—	0.9	1.0	1.0	1.0	1.0	1.0	0.7	0.3	—	—	6.9
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	0.1	—	0.1	0.3	0.7	0.4	—	0.4	—	—	—	2.0
0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 inci onluk	—	—	1.4	3.2	2.2	3.6	4.7	4.1	4.3	4.6	1.8	—	—	29.9
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	0.2	0.2	0.9	0.9	0.7	0.3	0.9	0.5	0.1	—	—	4.7
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	0.6	1.0	0.8	0.8	0.7	0.7	—	—	—	—	—	4.6
16	—	—	0.3	0.8	0.8	0.2	0.8	0.7	0.1	0.1	—	—	—	3.8
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	0.9	—	0.1	0.3	0.3	0.2	—	—	—	—	1.8
20	—	0.2	0.8	0.9	0.9	1.0	0.6	1.0	1.0	1.0	0.1	—	—	7.5
2 inci onluk	—	0.2	1.9	3.8	3.4	3.0	3.1	3.0	2.2	1.6	0.2	—	—	22.4
21	—	—	—	—	—	—	—	0.6	—	—	—	—	—	0.6
22	—	—	—	—	—	—	—	0.6	0.8	—	—	—	—	1.4
23	—	0.2	0.6	0.4	0.5	—	0.7	0.8	0.8	0.9	0.3	—	—	5.2
24	—	0.2	0.1	—	0.2	0.1	0.1	0.7	1.0	1.0	0.5	—	—	3.9
25	—	—	—	—	0.1	0.2	0.2	0.5	1.0	0.5	—	—	—	2.5
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3 üncü onluk	—	0.4	0.7	0.4	0.8	0.3	1.0	3.2	3.6	2.4	0.8	—	—	13.6
Toplam	—	0.6	4.0	7.4	6.4	6.9	8.8	10.3	10.1	8.6	2.8	—	—	65.9

DERİNLİK — PROFONDEUR

— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				-1m.	-2m.
7	14	21	Otalama Moy.	7	14	21	Otalama Moy.	7	14	21	Otalama Moy.	7	14	21	Otalama Moy.	14	14
13.7	19.8	17.1	16.9	14.5	18.7	17.7	17.0	15.7	17.2	18.0	17.0	17.8	17.7	17.7	17.7	19.4	19.4
17.3	22.2	19.3	19.6	17.3	20.7	19.6	19.2	17.5	19.2	19.7	18.8	18.0	18.1	18.3	18.1	19.2	19.3
18.4	22.1	19.4	20.0	18.6	21.0	20.2	19.9	18.9	20.0	20.4	19.8	18.7	18.8	18.9	18.8	19.2	19.3
17.7	22.3	19.8	19.9	18.3	20.9	20.4	19.9	18.8	19.8	20.5	19.7	19.1	19.2	19.2	19.2	19.2	19.3
17.5	18.9	16.5	17.6	18.3	19.0	17.8	18.4	19.2	18.9	18.7	18.9	19.4	19.3	19.1	19.3	19.2	19.2
15.0	19.1	18.5	17.5	15.9	18.5	18.7	17.7	17.1	18.0	18.7	17.9	19.0	18.8	18.7	18.8	19.2	19.0
17.6	21.5	19.4	19.5	17.8	20.4	19.8	19.3	18.2	19.2	20.0	19.1	18.8	18.8	19.0	18.9	19.2	19.0
17.5	22.7	19.6	19.9	18.0	21.3	20.3	19.9	18.7	19.8	20.6	19.7	19.0	19.0	19.0	19.0	19.2	19.0
18.0	19.2	17.1	18.1	18.5	18.8	18.1	18.5	19.1	18.8	18.3	18.7	19.4	19.2	19.1	19.2	19.2	18.9
14.5	18.4	15.3	16.1	16.0	17.9	16.6	16.8	17.8	17.5	17.6	17.6	19.0	18.7	18.5	18.7	19.2	18.8
16.7	20.6	18.2	18.5	17.3	19.7	18.9	18.7	18.1	18.8	19.3	18.7	18.8	18.8	18.8	18.8	19.2	19.1
12.8	17.0	14.0	14.6	14.2	16.7	15.5	15.5	15.7	16.3	16.5	16.2	18.3	18.0	17.8	18.0	18.9	18.8
12.5	17.0	14.7	14.7	13.7	16.3	15.5	15.2	15.0	15.7	16.2	15.6	17.6	17.4	17.2	17.4	18.6	18.8
14.3	16.3	14.7	15.1	14.8	16.0	15.5	15.4	15.5	15.8	16.0	15.8	17.2	17.2	17.0	17.1	18.4	18.8
12.7	17.8	15.4	15.3	13.7	16.7	16.6	15.7	14.8	15.7	17.0	15.8	16.8	16.7	16.8	16.8	18.0	18.7
13.0	18.6	16.3	16.0	14.1	17.3	16.9	16.1	15.3	16.2	17.1	16.2	16.8	16.7	16.8	16.8	18.0	18.7
13.9	19.4	17.0	16.8	14.8	18.0	17.5	16.8	15.8	16.7	17.6	16.7	16.9	17.0	17.0	17.0	17.9	18.6
14.3	19.8	17.0	17.0	15.2	18.5	17.7	17.1	16.2	17.2	18.0	17.1	17.2	17.2	17.2	17.2	17.9	18.6
15.0	20.3	18.1	17.8	15.8	18.8	18.5	17.7	16.6	17.6	18.5	17.6	17.4	17.4	17.4	17.4	17.9	18.5
15.5	20.3	17.7	17.8	16.3	19.0	18.3	17.9	17.2	18.0	18.5	17.9	17.7	17.7	17.6	17.7	18.0	18.5
15.9	21.0	18.5	18.5	16.6	19.5	19.0	18.4	17.3	18.3	19.1	18.2	17.8	17.8	17.9	17.8	18.1	18.4
14.0	18.8	16.3	16.4	14.9	17.7	17.1	16.6	15.9	16.8	17.5	16.7	17.4	17.3	17.3	17.3	18.2	18.6
16.4	20.0	18.3	18.2	17.1	18.8	18.7	18.2	17.8	18.2	18.8	18.3	18.1	18.3	18.3	18.2	18.1	18.4
17.0	19.6	17.1	17.9	17.5	19.0	17.8	18.1	18.0	18.4	17.8	18.1	18.3	18.1	18.1	18.2	18.1	18.3
15.3	18.5	16.5	16.8	16.2	18.0	17.5	17.2	17.1	17.5	17.5	17.4	18.1	18.0	18.0	18.0	18.2	18.3
14.7	19.6	17.9	17.4	15.7	18.4	18.2	17.4	16.7	17.4	18.2	17.1	17.8	17.8	17.7	17.8	18.2	18.3
16.5	15.3	14.5	15.4	17.0	16.7	15.4	16.4	17.5	17.0	16.3	16.9	17.8	17.8	17.7	17.8	18.2	18.3
14.1	17.6	16.1	15.9	14.6	16.7	16.4	15.9	15.4	16.2	16.7	16.1	17.4	17.3	17.0	17.2	18.1	18.3
15.3	18.0	16.0	16.4	15.4	17.3	16.5	16.4	15.7	16.7	16.9	16.4	17.0	17.0	16.9	17.0	18.0	18.2
14.9	17.7	16.7	16.4	15.5	17.0	17.0	16.5	16.1	16.5	17.2	16.6	17.0	17.0	17.2	17.1	18.0	18.1
15.8	17.2	14.5	15.8	16.3	17.0	15.5	16.3	16.7	16.9	16.3	16.6	17.2	17.0	17.0	17.1	17.8	18.0
13.0	14.4	13.5	13.6	14.0	14.5	14.3	14.3	15.0	14.8	15.0	14.9	16.8	16.7	16.5	16.7	17.7	18.0
12.0	14.0	12.7	12.9	13.0	13.9	13.8	13.6	14.0	14.0	14.3	14.1	16.3	16.0	15.5	15.9	17.4	18.0
15.0	17.4	15.8	16.1	15.7	17.0	16.5	16.4	16.4	16.7	16.8	16.6	17.4	17.4	17.3	17.4	18.9	18.2
15.2	18.9	16.7	17.0	16.0	18.1	17.5	17.2	16.8	17.4	17.8	17.3	17.9	17.8	17.7	17.8	18.4	18.6

DERİNLİK — PROFONDEUR

Gün — Jour	— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				1 m.	2 m.
	7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	14	14
1	10.6	13.8	11.8	12.2	11.8	13.3	12.7	12.6	13.1	13.3	13.6	13.3	15.7	15.5	15.2	15.5	17.1	18.1
2	11.3	13.3	12.5	12.4	12.9	13.0	13.0	13.0	12.8	13.1	13.5	13.1	15.2	15.0	14.9	15.0	16.8	17.8
3	11.7	13.7	12.3	12.6	12.3	13.8	12.9	13.0	13.1	13.7	13.5	13.4	14.9	14.8	14.8	14.8	16.5	17.5
4	12.0	12.5	11.5	12.0	12.5	13.0	12.3	12.6	13.1	13.3	12.8	13.1	14.8	14.8	14.8	14.8	16.4	17.4
5	11.1	13.4	11.0	11.8	11.8	13.4	12.0	12.4	12.5	13.0	12.8	12.8	14.5	14.5	14.3	14.4	16.2	17.2
6	10.4	12.3	11.2	11.3	11.2	12.3	11.8	11.8	12.0	12.4	12.4	12.3	14.2	14.1	14.0	14.1	16.1	17.1
7	10.4	12.3	11.0	11.2	11.1	12.4	11.5	11.7	11.8	12.3	12.3	12.1	13.9	13.8	13.8	13.8	15.8	16.8
8	10.2	12.3	10.9	11.1	10.9	12.3	11.6	11.6	11.7	12.1	12.2	12.0	13.7	13.6	13.5	13.6	15.5	16.5
9	10.6	12.4	11.4	11.5	11.2	12.4	11.8	11.8	11.7	12.2	12.3	12.1	13.5	13.5	13.4	13.5	15.4	16.4
10	10.5	13.2	10.5	11.4	11.2	13.1	11.5	11.9	11.8	12.5	12.4	12.2	13.4	13.4	13.4	13.4	15.2	16.2
1inci onluk	10.9	12.9	11.4	11.8	11.7	12.9	12.1	12.2	12.4	12.8	12.8	12.6	14.4	14.3	14.2	14.3	16.1	17.1
11	9.4	12.2	11.5	11.0	10.4	12.0	12.0	11.5	11.4	11.8	12.1	11.8	13.5	13.4	13.3	13.4	15.2	16.2
12	10.5	13.1	11.0	11.5	11.2	12.7	11.7	11.9	11.8	12.2	12.3	12.1	13.3	13.3	13.2	13.3	14.8	15.8
13	9.5	13.5	11.8	11.6	10.5	12.8	12.3	11.9	11.5	12.2	12.7	12.1	13.2	13.2	13.1	13.2	14.8	15.8
14	10.5	13.6	12.0	12.0	11.3	13.3	12.6	12.4	11.9	12.5	13.0	12.5	13.2	13.4	13.4	13.3	14.7	15.7
15	11.0	14.3	12.7	12.7	11.5	13.5	13.0	12.7	12.2	13.7	13.3	13.1	13.5	13.7	13.3	13.5	14.5	15.5
16	12.4	14.4	13.4	13.4	12.7	13.7	13.6	13.3	13.0	13.3	13.7	13.3	13.5	13.5	13.6	13.5	14.8	15.8
17	12.7	15.1	13.5	13.8	13.0	14.5	13.8	13.8	13.3	13.8	14.1	13.7	13.8	13.8	13.8	13.8	14.8	15.8
18	12.0	11.8	11.8	11.9	12.8	12.2	11.7	12.2	13.4	12.7	12.5	12.9	13.9	14.0	14.0	14.0	14.8	15.8
19	8.7	9.0	8.0	8.6	9.7	9.7	9.0	9.5	10.8	10.7	10.3	10.6	13.5	13.2	12.9	13.2	14.5	15.5
20	6.3	9.3	8.5	8.0	7.3	9.3	9.0	8.5	9.0	9.3	9.6	9.3	12.5	12.3	12.0	12.3	14.4	15.4
2inci onluk	10.3	12.6	11.4	11.5	11.0	12.4	11.9	11.8	11.8	12.2	12.4	12.1	13.4	13.4	13.3	13.4	14.7	15.7
21	8.6	10.2	10.1	9.6	8.9	10.2	10.2	9.8	9.4	10.0	10.4	9.9	11.9	11.7	11.6	11.7	14.1	15.1
22	9.9	9.2	9.2	9.1	9.6	9.5	9.5	9.5	10.3	10.0	9.9	10.1	11.6	11.5	11.5	11.5	13.6	14.6
23	8.9	8.3	7.7	8.3	9.2	8.8	8.4	8.8	9.5	9.3	9.0	9.3	11.2	10.9	10.9	11.0	13.4	14.4
24	7.4	8.6	7.8	7.9	8.0	8.6	8.4	8.3	8.7	8.8	8.9	8.8	10.9	10.8	10.7	10.8	13.2	14.2
25	7.2	9.7	8.8	8.6	7.8	9.4	9.2	8.8	8.5	9.0	9.5	9.0	10.7	10.8	10.8	10.8	13.0	14.0
26	8.3	7.2	6.2	7.2	8.8	7.7	7.2	7.9	9.2	8.5	8.0	8.6	10.8	10.6	10.5	10.6	12.8	13.8
27	5.6	7.7	6.7	6.7	6.5	7.7	7.2	7.1	7.5	7.8	7.9	7.7	10.4	10.2	10.0	10.2	12.6	13.6
28	6.4	9.0	7.9	7.8	6.9	8.5	8.4	7.9	7.6	8.2	8.7	8.2	10.0	10.0	10.0	10.0	12.6	13.6
29	7.4	9.3	9.8	8.8	7.8	9.0	9.0	8.6	8.3	8.7	9.2	8.7	10.0	10.0	10.0	10.0	12.3	13.3
30	8.5	10.5	9.0	9.3	8.8	10.0	9.5	9.4	9.2	9.6	9.8	9.5	10.2	10.4	10.4	10.3	12.2	13.2
3üncü onluk	7.7	9.0	8.3	8.3	8.2	8.9	8.7	8.6	8.8	9.0	9.1	9.0	10.8	10.7	10.6	10.7	13.0	14.0
Aylık Ortalama	9.6	11.5	10.4	10.5	10.3	11.4	10.9	10.9	11.0	11.3	11.4	11.3	12.8	12.8	12.7	12.8	14.6	15.6

Toprağın sıcaklığı
Température de la terre

Aralık 1939 — Décembre 1939

DERİNLİK — PROFONDEUR

— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				— 1 m.	— 2 m.
7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	14	14
8.4	9.6	9.6	9.2	8.7	9.5	9.7	9.3	9.1	9.5	9.7	9.4	10.5	10.5	10.5	10.5	12.2	15.7
10.1	11.2	11.0	10.8	10.1	11.0	11.3	10.8	10.1	10.7	11.0	10.6	10.6	10.7	11.0	10.8	12.2	15.6
10.0	12.3	10.5	10.9	10.3	11.5	11.0	10.9	10.7	11.0	11.4	11.0	11.0	11.2	11.3	11.2	12.4	15.5
9.5	11.6	10.5	10.5	10.0	11.1	10.8	10.6	10.5	10.7	11.0	10.7	11.3	11.3	11.4	11.3	12.4	15.3
9.8	12.1	11.8	11.2	10.1	11.5	10.8	11.1	10.5	11.0	11.6	11.0	11.4	11.5	11.4	11.4	12.4	15.3
11.4	12.5	11.8	11.9	11.6	12.2	12.0	11.9	11.6	11.7	12.0	11.8	11.6	11.7	11.8	11.7	12.5	15.3
11.4	13.1	12.1	12.2	11.5	12.4	12.2	12.0	11.6	11.9	12.3	11.9	11.9	11.9	12.0	11.9	12.6	15.2
11.8	12.7	12.0	12.2	12.0	12.5	12.1	12.2	12.0	12.0	12.3	12.1	12.1	12.2	12.1	12.1	12.9	15.1
10.8	11.7	10.8	11.1	11.3	11.6	11.2	11.4	11.7	11.6	11.5	11.6	12.2	12.2	12.0	12.1	12.8	15.0
8.5	8.0	7.5	8.0	9.5	8.5	8.1	8.7	10.5	9.2	9.0	9.6	12.2	11.7	11.3	11.7	12.7	14.8
10.2	11.5	10.8	10.8	10.5	11.2	11.0	10.9	10.8	10.9	11.2	11.0	11.5	11.5	11.5	11.5	12.5	15.3
7.2	8.6	7.9	7.9	7.9	8.6	8.4	8.3	8.7	8.7	8.9	8.8	11.0	10.8	10.6	10.8	12.5	14.7
7.5	9.5	8.2	8.4	8.0	9.2	8.7	8.6	8.6	9.0	9.3	9.0	10.6	10.7	10.5	10.6	12.4	14.7
7.3	8.0	7.7	7.7	7.8	8.2	8.1	8.0	8.5	8.5	8.5	8.5	10.5	10.3	10.3	10.4	12.3	14.7
7.7	8.1	7.8	7.9	8.0	8.3	8.2	8.2	8.4	8.5	8.5	8.5	10.2	10.1	10.0	10.1	12.0	14.7
7.4	9.8	9.6	8.9	7.9	9.2	9.6	8.9	8.4	8.8	9.5	8.9	10.0	10.0	10.0	10.0	11.8	14.5
9.4	11.2	10.6	10.4	9.5	10.8	10.6	10.3	9.7	10.2	10.7	10.2	10.2	10.4	10.5	10.4	11.8	14.5
10.0	11.3	9.8	10.4	10.4	11.0	10.2	10.5	10.3	10.5	10.5	10.4	10.8	10.7	10.7	10.7	11.7	14.5
8.6	8.8	8.3	8.6	8.3	9.1	8.7	8.7	9.0	9.5	10.3	9.6	10.8	10.7	10.7	10.7	11.7	14.5
7.7	9.0	7.1	7.9	8.3	8.8	8.0	8.4	8.8	8.8	9.0	8.9	10.5	10.4	10.5	10.5	11.7	14.3
5.2	7.9	7.4	6.8	6.3	7.5	7.8	7.2	7.4	7.5	8.0	7.6	10.1	9.8	9.7	9.9	11.7	14.3
7.8	9.2	8.4	8.5	8.2	9.1	8.8	8.7	8.8	9.0	9.3	9.0	10.5	10.4	10.4	10.4	12.0	14.5
6.9	8.3	7.1	7.4	7.3	8.0	8.0	7.8	7.8	7.9	8.5	8.1	9.6	9.6	9.5	9.6	11.5	14.2
4.2	3.0	3.6	3.6	5.5	4.8	4.4	4.9	6.8	6.2	5.5	6.2	9.4	9.0	8.8	9.1	11.1	14.1
3.3	3.8	3.5	3.5	4.0	4.2	4.3	4.2	5.1	5.0	5.0	5.0	8.4	8.2	8.0	8.2	10.8	14.1
3.5	5.3	5.0	4.6	4.2	5.2	5.4	4.9	4.8	5.2	5.6	5.2	8.0	7.7	7.6	7.8	10.8	14.1
3.8	6.1	6.3	5.4	5.1	6.0	6.4	5.8	5.7	5.8	6.4	6.0	7.7	7.8	7.7	7.7	10.8	14.0
6.4	7.6	8.3	7.4	6.5	7.3	8.0	7.3	6.6	7.0	7.7	7.1	7.8	8.0	8.0	7.9	10.3	13.8
9.2	9.8	10.0	9.7	9.0	9.6	10.0	9.5	8.5	9.2	9.5	9.1	8.4	8.5	8.8	8.6	10.2	13.8
6.1	5.0	4.2	5.1	8.2	6.0	5.2	6.5	9.3	7.1	6.3	7.6	9.0	9.0	8.7	8.9	10.0	13.3
3.9	3.3	3.5	3.6	4.5	3.8	3.7	4.0	5.4	4.8	4.3	4.8	8.3	7.9	7.4	7.9	9.8	13.1
4.0	5.2	4.7	4.6	4.3	5.3	5.2	4.9	4.5	5.0	5.5	5.0	6.6	6.6	6.7	6.6	9.4	12.8
4.0	2.8	2.7	3.2	5.2	3.5	3.5	4.1	5.3	4.3	4.0	4.5	6.7	6.5	6.3	6.5	9.2	12.6
5.0	5.6	5.4	5.3	5.8	5.3	5.8	5.8	6.3	6.1	6.2	6.2	8.2	8.1	8.0	8.1	10.4	13.6
7.6	8.6	8.1	8.1	8.1	8.6	8.5	8.4	8.6	8.6	8.8	8.7	10.0	9.9	9.9	9.9	11.6	14.5

Ay günlerinin olaylara göre dağıtılması 1939

Distribution des jours du mois selon les phénomènes

Ay Mois	Açık Ouvert	Bulutlu Nuageux	Kapalı Couvert	Yağmurlu Pluvieux	Karlı Neigeux	Dolulu Grêléux	Tipili Tempête de neige	Fırtınalı Tempête	Az donlu Gelé	Çok donlu Sans dégel	Kırağlı Gelé balanche	Çiyli Rosée	Şimşekli Éclair	Gök gürültülü Tonnaitre	Sisli Brouillard
Ekim Octobre	14	13	4	12	—	—	—	6	—	—	—	14	3	3	2
Kasım Novembre	4	10	16	15	1	—	—	3	—	—	—	6	—	—	3
Aralık Décembre	2	8	21	19	4	—	2	8	5	—	1	5	—	—	4

Ay günlerinin olaylara göre dağıtılması

Dirtribution des jours selon les phénomènes

Yıl 1939 — Année 1939

Aylar Mois	Açık Ouvert	Bululu Nuageux	Kapalı Couvert	Yağmurlu Pluvieux	Karlı Neigeux	Dolu Grêleux	Tipili Tempête de neige	Fırtınalı Tempête	Az donlu Gelé	Çok donlu Sans dégel	K yağlı Gelé balnche	Çiyli Rosée	Şimşekli Éclair	Gök g. rültülü Tonnaire	Sisli Brouillard
Ocak Janvier	12	6	13	13	2	—	—	6	2	—	2	6	—	—	11
Şubat Février	6	6	16	8	6	—	1	3	5	—	3	3	—	—	7
Mart Mars	6	8	17	16	7	1	—	19	4	—	3	3	—	2	4
Nisan Avril	15	4	11	4	—	—	—	2	—	—	—	2	—	—	4
Mayıs Mai	13	11	7	8	—	—	—	5	—	—	—	6	3	7	4
Haziran Juin	11	8	11	13	—	—	—	5	—	—	—	2	4	9	3
Temmuz Juillet	24	6	1	1	—	—	—	4	—	—	—	6	2	1	1
Ağustos Août	20	5	6	13	—	—	—	3	—	—	—	10	5	7	2
Eylül Septembre	17	7	6	4	—	—	—	1	—	—	—	13	1	1	4
Ekim Octobre	14	13	4	12	—	—	—	6	—	—	—	14	3	3	2
Kasım Novembre	4	10	16	15	1	—	—	3	—	—	—	6	—	—	3
Aralık Décembre	2	8	21	19	4	—	2	8	5	—	1	5	—	—	4
Toplam Total	144	92	129	126	20	1	3	65	16	—	9	76	18	30	49

S A A T — H E U R E

Ortalama
Moyen

Gün
Jour

1	61.7	61.8	61.9	61.7	61.6	61.6	61.9	62.1	62.3	62.3	62.3	61.9	61.5	61.3	61.4	61.4	61.4	61.5	61.7	61.7	61.7	61.6	61.6	61.6	61.7
2	65.4	65.4	65.3	65.2	65.1	65.1	65.3	65.5	65.6	65.7	65.8	65.6	65.3	65.0	65.0	65.1	65.1	65.3	65.4	65.5	65.6	65.7	65.7	65.7	65.4
3	57.2	57.2	57.1	57.1	57.2	57.5	57.6	57.8	57.8	57.9	58.0	57.9	57.7	57.2	57.1	57.1	57.1	57.2	57.4	57.6	57.6	57.7	57.6	57.4	57.5
4	62.0	61.8	61.8	61.8	61.8	61.9	62.2	62.3	62.4	62.5	62.3	62.0	61.7	61.4	61.2	61.1	61.1	61.2	61.3	61.6	61.9	61.9	61.9	61.9	61.8
5	59.0	58.9	58.8	58.7	58.8	58.9	59.3	59.4	59.4	59.4	59.4	59.3	59.0	58.9	58.8	58.8	58.8	58.8	59.0	59.2	59.4	59.4	59.3	59.3	59.1
6	58.5	58.4	58.3	58.2	58.2	58.3	58.5	58.6	58.7	58.7	58.7	58.6	58.4	58.2	58.1	58.0	57.8	58.0	58.1	58.2	58.6	58.6	58.5	58.4	58.4
7	59.6	59.4	59.3	59.3	59.3	59.4	59.6	59.7	59.8	59.8	59.7	59.6	59.4	59.2	59.1	59.1	59.1	59.2	59.4	59.6	59.8	59.8	59.7	59.7	59.5
8	58.7	58.5	58.4	58.3	58.3	58.5	58.6	58.7	58.9	58.9	58.8	58.7	58.6	58.4	58.3	58.3	58.2	58.3	58.5	58.7	58.9	58.9	58.8	58.8	58.6
9	61.1	61.0	60.8	60.8	60.9	61.0	61.3	61.4	61.6	61.6	61.5	61.3	61.1	60.9	60.8	60.7	60.7	60.8	61.0	61.3	61.4	61.4	61.3	61.2	61.1
10	60.7	60.6	60.5	60.4	60.4	60.4	60.6	60.8	60.9	61.0	60.9	60.6	60.3	60.1	60.0	60.0	60.1	60.3	60.5	60.7	60.8	60.9	60.8	60.7	60.5
11	64.3	64.3	64.2	64.1	64.2	64.3	64.5	64.7	64.9	65.0	65.0	64.6	64.4	64.2	64.2	64.3	64.4	64.6	64.7	64.8	64.8	64.8	64.7	64.6	64.5
12	62.4	62.4	62.4	62.2	62.1	62.2	62.4	62.6	62.8	63.0	62.9	62.5	62.2	62.0	62.1	62.2	62.3	62.4	62.5	62.5	62.6	62.7	62.6	62.5	62.4
Ortalama	60.9	60.8	60.7	60.6	60.7	60.8	61.0	61.1	61.3	61.3	61.3	61.0	60.8	60.6	60.5	60.5	60.5	60.6	60.8	61.0	61.1	61.1	61.1	61.0	60.9

Sıcaklık — Temperature

1	7.3	7.3	7.2	7.4	7.1	7.0	7.0	7.2	7.9	8.6	9.4	9.8	10.1	10.2	10.1	9.5	8.7	8.2	8.0	7.7	7.6	7.5	7.5	7.6	7.6	8.2
2	4.4	4.2	4.1	4.0	4.0	3.8	3.9	4.3	4.7	5.5	6.2	6.7	6.9	6.8	6.7	6.3	5.9	5.1	4.9	4.7	4.5	4.4	4.7	4.7	4.7	5.1
3	6.5	6.4	6.2	6.0	5.6	5.3	5.5	6.2	7.3	8.2	8.7	9.1	9.6	9.8	10.0	9.7	9.1	8.1	7.5	7.2	7.0	6.9	6.7	6.7	6.7	7.5
4	9.1	9.0	8.8	8.7	8.5	8.7	9.5	11.0	12.0	13.4	13.9	14.5	14.9	14.8	14.6	14.1	13.5	12.6	11.4	10.7	10.3	10.0	10.1	9.7	9.7	11.4
5	15.0	14.6	14.3	14.2	14.1	14.7	15.9	17.1	18.4	19.1	19.9	20.6	20.6	20.9	20.8	20.6	19.8	18.7	17.6	16.8	16.2	16.0	15.8	15.6	15.6	17.4
6	18.1	17.9	17.7	17.6	17.7	18.1	19.5	20.6	21.8	22.8	23.7	23.8	23.8	24.0	23.6	23.0	22.8	22.1	21.9	19.5	19.1	18.9	18.6	18.6	18.6	20.7
7	21.0	20.9	20.7	20.6	20.5	21.1	22.7	24.2	25.0	26.2	26.8	27.3	27.7	27.5	27.3	26.9	26.6	25.8	24.4	23.8	22.1	21.7	21.4	21.3	21.3	23.9
8	20.6	20.5	20.4	20.1	19.9	20.5	21.7	23.0	24.0	24.8	25.1	25.4	25.9	25.7	25.7	25.5	25.0	23.9	22.7	21.8	21.6	21.2	20.9	20.7	20.7	22.8
9	17.0	17.0	16.9	17.0	16.9	16.9	17.5	19.0	20.3	21.3	21.8	22.2	22.3	21.6	21.4	21.0	20.3	19.1	18.0	17.4	17.3	17.0	16.9	16.9	16.9	18.9
10	15.6	15.5	15.4	15.3	15.2	15.1	15.2	16.5	17.6	18.7	19.0	19.9	20.1	20.2	20.1	19.5	18.5	17.4	16.8	16.5	16.0	15.8	15.9	15.7	15.7	17.1
11	9.2	9.2	9.1	9.0	9.1	9.0	9.0	9.5	10.2	11.0	11.6	11.8	12.0	11.5	11.3	10.7	10.1	9.7	9.5	9.4	9.4	9.3	9.2	9.2	9.2	10.0
12	8.0	7.9	7.9	7.8	7.6	7.6	7.4	7.4	8.1	8.6	9.0	9.5	9.6	9.7	9.6	8.9	8.5	8.3	8.1	7.9	7.9	7.9	7.8	7.8	7.8	8.3
Ortalama	12.7	12.5	12.4	12.3	12.2	12.3	12.9	13.8	14.8	15.7	16.3	16.7	17.0	16.9	16.8	16.3	15.7	14.9	14.2	13.6	13.3	13.1	13.0	12.9	12.9	14.3

Bağıl nem — Humidité relative

1	79	80	80	81	82	83	82	81	79	76	73	71	72	73	71	72	76	78	79	79	79	79	79	80	78
2	79	80	81	83	82	82	82	80	78	74	71	68	70	69	69	70	73	76	77	79	79	79	77	77	76
3	71	73	74	74	75	77	76	75	71	65	64	63	62	60	57	57	60	64	67	69	69	71	71	71	68
4	77	78	80	82	84	83	81	75	71	65	62	58	58	59	60	61	62	65	69	70	73	74	75	75	71
5	78	81	83	83	84	83	77	71	65	62	59	58	56	54	55	58	58	63	70	72	73	76	76	76	69
6	84	85	84	86	86	86	81	75	70	65	60	61	61	63	64	65	65	66	70	75	77	80	81	83	74
7	79	79	79	79	79	78	71	64	59	55	53	52	51	53	54	54	55	58	66	74	77	78	78	78	67
8	88	88	88	88	89	91	88	76	70	65	63	61	62	61	60	60	62	68	75	80	81	84	86	87	76
9	84	84	84	84	83	83	80	74	68	62	61	58	60	64	65	67	73	81	84	82	83	83	83	83	75
10	78	79	79	79	82	82	82	77	73	69	67	62	63	63	60	66	71	74	73	74	76	76	78	78	73
11	85	85	84	84	84	85	84	83	80	76	72	71	71	72	74	77	79	79	81	83	82	84	84	83	80
12	83	83	83	84	84	84	83	83	82	82	78	75	76	76	77	79	82	83	84	83	82	83	83	83	81
Ortalama	80	81	82	82	83	83	80	76	72	68	65	63	63	64	64	65	67	70	74	77	77	79	79	80	74

1939 senesi dahil olduđu halde normal miktarlar

Les normales de 29 années d'observation

(1912 — 1939)

Aylar — <i>Mais</i>	Barometre 700 mm. + ...	Hararet derecesi C° — <i>Température</i>							Bağıl nem <i>Humidité relative</i> %	Çökerek <i>Précipitation</i> mm.
		Ortalama <i>Moyen</i>	Maksimum <i>Maximum</i>	Minimum <i>Minimum</i>	Mutlak maksimum <i>Max. abs.</i>	Tarih <i>Dâte</i>	Mutlak minimum <i>Min. abs.</i>	Tarih <i>Dâte</i>		
I	64.0	5.6	8.3	3.1	18.1	1932	— 7.5	1924	79	87.
II	63.1	4.7	7.6	2.1	20.6	1925	— 13.0	1929	78	72.
III	62.3	7.7	11.6	4.5	27.6	1937	— 7.3	1929	73	48.
IV	60.2	11.4	16.1	7.6	30.0	1926	— 1.6	1923	72	40.
V	60.3	15.6	20.3	11.6	33.8	1928	3.0	1915	74	41.
VI	59.9	20.2	24.8	15.6	38.9	1912	8.3	1933	71	36.
VII	58.6	22.6	27.3	18.5	39.2	1916	9.4	1933	71	32.
VIII	59.0	22.7	27.3	18.6	36.8	1938	12.9	1930	71	39.
IX	61.8	19.6	24.2	15.9	38.0	1938	6.0	1931	71	55.
X	62.8	16.0	19.9	12.9	32.7	1927	0.3	1920	74	79.
XI	64.0	12.0	15.2	9.4	27.3	1917	— 1.8	1914	77	100.
XII	63.4	7.7	10.4	5.3	21.4	1926	— 8.9	1933	80	114.
Yıllık <i>Annuelle</i>	61.6	13.8	17.7	10.4	39.2	VII-1916	— 13.0	II-1929	74	750.

II – Deniz rasatları (Observations de la mer)

Kemal Erkman

Bitişik sahifedeki cetvel Arnavutköyündeki akıntı anafor mahallindeki marograf ile ölçülen deniz seviyesine ait değişiklikleri gösterir. Bu cetvelin başlık satırı ayları ve başlık titunu da ayın günlerini gösterir.

Sapma deniz seviyesinin, rıhtım üzerinde tespit edilmiş olan bir pirinç işaretin merkezinden itibaren alçalmadan ibarettir. Bu alçalma miktarı santimetre ile gösterilmiştir. Cetveldeki miktarlar sapmaların günlük ortalamasıdır. Son satır dahi aylık ortalamadır. Marograf kaleminin indirgeme oranı $1/5$ dir. Tabiidir ki cetveldeki hakiki değerler bu orantıya göre aletin diyagram iş'arından indirgenmiştir. Ortalama seviyenin normal miktarı henüz belli olmamıştır. Marograf kâğıdının sıfırı, işaret merkezinden 168.2 santimetre yüksektir. Numaralı diyagram bu seviye değişikliğine aittir. Seviyenin başlıca değişikliği basınç değişikliğine tâbi olduğundan karşılaştırmak için nokta ve çizgi ile basınç değişikliği zildiği gibi meddicezir tesirini de takip edebilmek için konjeksiyon, dolunay ve dördünün zamanları da gösterilmiştir.

Deniz seviyesi ve sıcaklığı
Niveau et température de la mer

Maröğrafin sistemi
 (Système du marographe) : Jules Richard

Redüktör : 1/5
 (Reducteur)

Mevkii
 (Station) : Arnavutköy

Reper : Rıhtımdaki pirinç dairenin merkezi
 (Repère) : Le centre du disque en laiton fixé au quai

Termometrenin cinsi
 (Type du thermomètre) : Negretti zambra

Rasat mahalli
 (Lieu d'observation) : Kandilli iskelesi

Günler - Jours Aylar - Mois	Sapma Ecart (cm.)			Sıcaklık — Température					
				Ekim Octobre		Kasım Novembre		Aralık Décembre	
	Ekim Octobre	Kasım Novem.	Aralık Décem.	m. 0	m. -15	m. 0	m. -15	m. 0	m. -15
1	24.2	—	—	—	—	—	—	—	—
2	13.9	—	—	—	—	—	—	—	—
3	15.0	—	—	—	—	—	—	—	—
4	17.9	—	—	—	—	—	—	—	—
5	23.0	—	—	—	—	—	—	—	—
6	21.5	28.5	—	—	—	—	—	—	—
7	16.5	36.1	—	—	—	—	—	—	—
8	18.6	34.1	—	—	—	—	—	—	—
9	11.9	30.3	—	—	—	—	—	—	—
10	23.3	35.5	—	—	—	—	—	—	—
11	30.2	32.5	—	—	—	—	—	—	—
12	41.1	32.1	—	—	—	—	—	—	—
13	36.2	32.3	—	—	—	—	—	—	—
14	34.8	30.8	—	—	—	—	—	—	—
15	34.6	—	—	—	—	—	—	—	—
16	35.1	22.1	—	—	—	—	—	—	—
17	33.2	20.6	—	—	—	—	—	—	—
18	33.1	23.5	—	—	—	—	—	—	—
19	30.2	27.9	—	—	—	—	—	—	—
20	25.0	25.4	—	—	—	—	—	—	—
21	21.5	25.4	—	—	—	—	—	—	—
22	24.5	24.3	—	—	—	—	—	—	—
23	34.5	30.2	—	—	—	—	—	—	—
24	24.6	36.4	—	—	—	—	—	—	—
25	22.2	38.8	—	—	—	—	—	—	—
26	29.3	36.4	—	—	—	—	—	—	—
27	17.1	33.0	—	—	—	—	—	—	—
28	28.0	29.7	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—
Ortalama	25.7	30.3	—	—	—	—	—	—	—

III — Sismoloji (Séismologie)

Kemal Erkman

Bitişik sayfeler yerdepremlerini ve bunların asli ve tali fazlarının zamanlarını gösterir. Titrenti (Microséisme) ler dahil değildir. Cetvelin birinci sütunu tarih ve ikinci sütunu milletlerarası kabul edilmiş olan faz işaretleridir. Bu işaretlerden P_n veya $\bar{P}$ titreşimin başlangıcını, F nihayetini ve iM de en şiddetli titreşim fazını gösterir. Üçüncü sütun da Türkiye saatiyle fazların zamanlarıdır. Dördüncü sütunda N - S bileşeninden alınan en büyük genliğin devir müddeti gösterildiği gibi beşinci, altıncı ve yedinci sütunlarda en büyük genlik miktarı milimetre olarak gösterilmiştir. A_N (N - S) bileşenine, A_E (E - W) bileşenine aittir. Tahmin edilen merkez üstü uzaklık Δ ile son sütunda kilometre olarak gösterilmiştir. Ve düşünceler hanesinde de olayın vukubulduğu haber verilen mahal - icabederse coğrafi koordonatlarıyla beraber - kaydedilmiştir. Eğer olay memleket içerisinde ise icabeden umumi karakteri de ilâve edilmiştir. Kayıtlar Galitzin sistemi sismoğrafından alınmıştır. Eğer diğer aletlerden alınmış ise düşünceler hanesinde ayrıca gösterilmiştir.

1939 senesinde Anadolu'da ufak tefek birçok sarsıntı kaydedildiği gibi en şiddetli depremler dahi kaydedilmiştir.

Bu senenin ilk şiddetli depremi 16 eylülde İnegöl'de olmuştur. (Sismoğraf : I) Bu deprem Şile, Akhisar, Çanakkale, Bilecik, Balıkesir, Eskişehir, Bursa ve Uşakta duyulmuştur. Bilhassa İnegölün Domaniç bucağında çok şiddetli olmuştur. Bazı binalarda çatlaklar husule gelmiş, birçok baca ve bir iki çürük yapılmış dam çökmüştür. Bu deprem merkez üstünde şiddet bakımından VII nei dereceye varmıştır.

İkinci şiddetli deprem 22 eylülde Dikilide vukubulmuştur. (Sismoğraf : II) Bu deprem Ege muntıkasında çok şiddetli duyulmuş ve Orta Anadolu'da da hissedilmiştir. Şiddet bakımından IX uncu dereceyi bulan bu deprem merkez üstü sahasını teşkil eden Dikili, Bergama ilçeleri ve köylerinde şiddetli tahribat yapmıştır. Yüzlerce bina, yıkılmış, insan ve hayvan kaybı da önemli olmuştur.

Üçüncü şiddetli deprem 21 kasımda Tercan ilçesinde olmuştur. Bu deprem Tercan ilçesinde birkaç köyü harabetmiş ve derece bakımından IX u bulmuştur. Bu deprem şiddetli olmakla beraber te'sir sahası çok küçük olduğundan fazla tahribat yapmamıştır.

Dördüncü şiddetli deprem Erzincan depremidir. (Sismoğraf : IV) Yüz yıldanberi memleketimizde vukubulan depremlerin en şiddetlisi olan bu deprem X 1/2 dereceyi geçmiştir. Bu afet Türkiye'nin her tarafından duyulmuştur. Bütün Anadolu'yu sarsmıştır. Bu depremin diğerlerinden iki mühim farikası vardır: Birisi te'sir sahasının genişliği diğeri şiddet mertebesinin 10 u tecavüz etmesidir. Bu depreme sismik bakımdan Kelkit depremi demek daha doğrudur. Bu deprem için merkez değil bir hat mevzu bahisdir. Uzunluğu 250 kilometreye varan bu hat Kelkit vadisini takip ederek garba doğru, bir taraftan Reşadiye ile Niksar arasında Almuş, Omala doğrultusundan Amasyaya uzanırken Niksarın önünden Kelkit vadisini takiple Erbaadan geçtiği ve Çandır köyünün ilerisine bir kol attığı, diğer taraftan da Suşehrinden doğuya doğru Çürük vadisine ilerlerken Refahiye'nin kuzey köylerini dolaşan bir kolun Erzincan vadisini katederek

Sonusa bogazına doğru imtidat ettiği görülmüştür. Bu tarif edilen doğrultular üzerinde büyük küçük birçok yer çatlakları husule gelmiştir. Bazı yerlerde bu çatlaklar kilometrelerce uzadığı gibi genişliği de bir metreyi geçmiştir. Jeolojik tahribat itibariyle olayın ağırlık merkezi Koyulhisar, Suşehri, Reşadiye civarındadır. Bu depremde dağlardan devrilen kayalar yüzlerce metre küptür.

Bu depremde bazı yerlerdeki deprem ivmesi:

Erzincan	1200	mm/sec ²	Ağvanuş	1000	mm/sec ²	
Zara	750	"	Ezbider	750	"	
Suşehri	750	"	Koyulhisar	1500	"	
Erbaa	1000	"	Niksar	950	"	bulmuştur.

Erzincan depremi müthiş bir afet olmuştur. Merkez üstü sahasında yıkılmayan ev, dam vesaire kalmamış ve binlerce insan ve hayvan yok olmuştur.

Sismoloji rasatları — (Observations sismologiques)

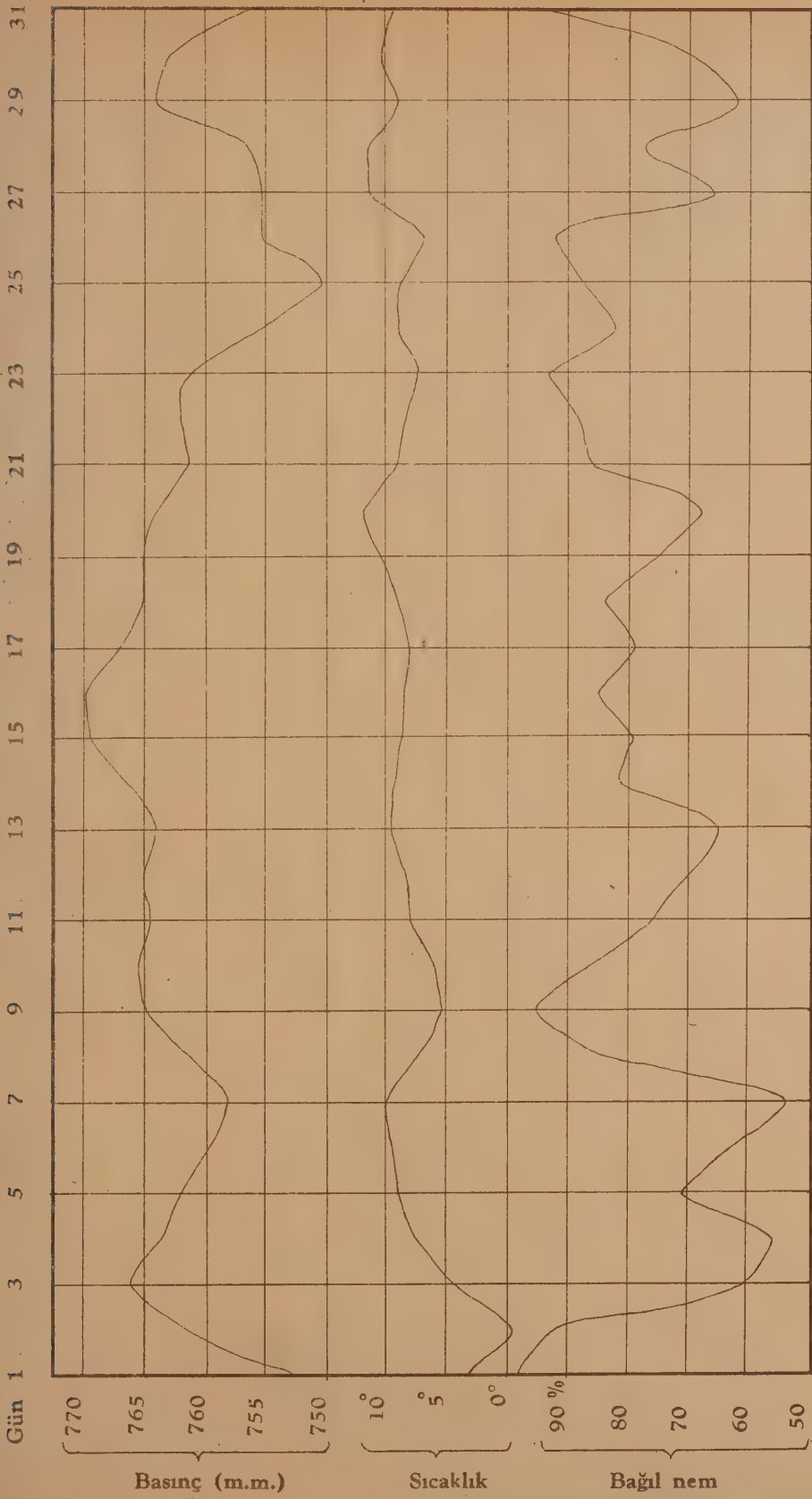
Aletin sistemi (Système du sèismographe): Galitzin

Tarih Date.	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Ekim Octobre 1939 7	e	12.25.03	—	—	—	—	—	Hafif replik.
9	e F	04.40.36 06.34.—	—	—	6	3	Uzak	Hafif.
10	P _n P R ₁ S R ₂ eL F	20.44.14 47.10 21.05.15 17.— 23.27.—	—	—	151	130	9.800	Şiddetlice
14	e ?	23.49.53	—	—	—	—	—	Hafif replik.
15	P _n S F	07.44.02 55.05 10.—	—	—	—	64	410	Kuvvetlice
15	P _n R _s P ₂ S R _s 2 S F	16.11.41 12.58 14.05 16.47.—	—	—	5,5	6	780	
17	P _n F	08.41.21 11.05.—	—	—	23	22	Uzak	Hafif replik.
19	P S F	23.34.39 35.15 24.—.—	7	41	88	—	270	Bergama Çok şiddetli olduğundan fazlar seçilememiştir. Mainkalardan alınmıştır.
20	e e e e c e e	00.37.39 00.42.37 00.53.01 01.45.56 02.28.19 03.52.36 06.57.17	— — — — — — —	— — — — — — —	— — — — — — —	— — — — — — —	Bergama " " " " " " "	Eser replik " " " " " " "
22	eP	00.57.19	—	—	—	—	—	
31	e ?	20.57.37	—	—	—	—	—	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Ekim Octobre 1939 31	P _n S F	23.03.04 03.39 23.18.—	—	—	17	18	260	Şiddetlice
Kasım Novembre 1939 8	P _n PR ₂ PS F	19.26.12 30.34 36.16 20.08.—	—	—	—	12	8.200	
18	eP? eL F	03.38.23 04.18.52 04.53.—	—	—	—	13	Uzak	Replik.
21	P _n R _s P R _s PS ₂ R _s S F	10.50.57 51.38 53.24 53.46 11.08.—	8	31	10,5	—	940	Tercan depremi Tercan ilçesinde birçok köy harap olmuştur. Mainkalardan alınmıştır.
26	eP S F	09.31.00 31.48 09.42.—	—	—	—	—	Replik	Hafif.
28	P _n PR ₁ S _n F	16.26.26 30.08 33.41 16.53.—	—	—	—	19	6.800	
Aralık Décembre 1939 3	e	14.17.—	—	—	—	—	Uzak	Çok hafif.
5	e	10.43.—	24	26	89	29,5	Uzak	Çok şiddetli olan bu depremin vukuu esnasında saatımız işa- ret vermediği için zamanlar bulunamamış ve fazlar hesap edilememiştir.
10	P _n S F	17.22.18 22.57 17.37.—	10	67	9,5	52	280	Edremit körfezinde şiddetle duyulmuştur.

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N — S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Aralık décembre 1939 16	P _n PR ₂ S _c P _c S eL F	12.58.25 13.04.38 08.30 37.— 14.13.—	9	43	24,5	26	11.000	
21	P _n P _c P _c S S _n PPS L F	23.11.26 17.32 24.02 26.46 23.56.— 24.46.—	28	4	6	—	13.100	Çok şiddetli olduğundan fazlar seçilememiş ve Mainkalardan hesap edilmiştir.
22	eP	07.01.56	—	—	—	—	—	Hafif replik.
27	P _n R _c P R _c S F	01.57.24 58.02 59.49 03.—.—					860	Erzincan afeti. Kağıtların haricine çıktığından ölçülememiştir, Mainkalardan alınmıştır.
28	e ? e P _n e P _n e P _n e P _n e P _n	09.41.58 14.27.— 16.00.— 16.47.— 17.50.— 19.45.—	— — — — — —	— — — — — —	— — — — — —	— — — — — —	— — — — — —	Hafif replik. " " " " " " " " " "
29	e P _n	21.14.58	—	—	—	—	—	Hafif replik.
29	e P _n S _n F	13.35.— 37.00 14.02.—	—	—	—	—	860	Replik.
29	e ? S _n F	15.21.— 23.12 15.33.—	—	—	—	—	860	Replik.
29	e ? S _n F	18.07.— 09.01 18.12.—	—	—	—	—	860	Replik.

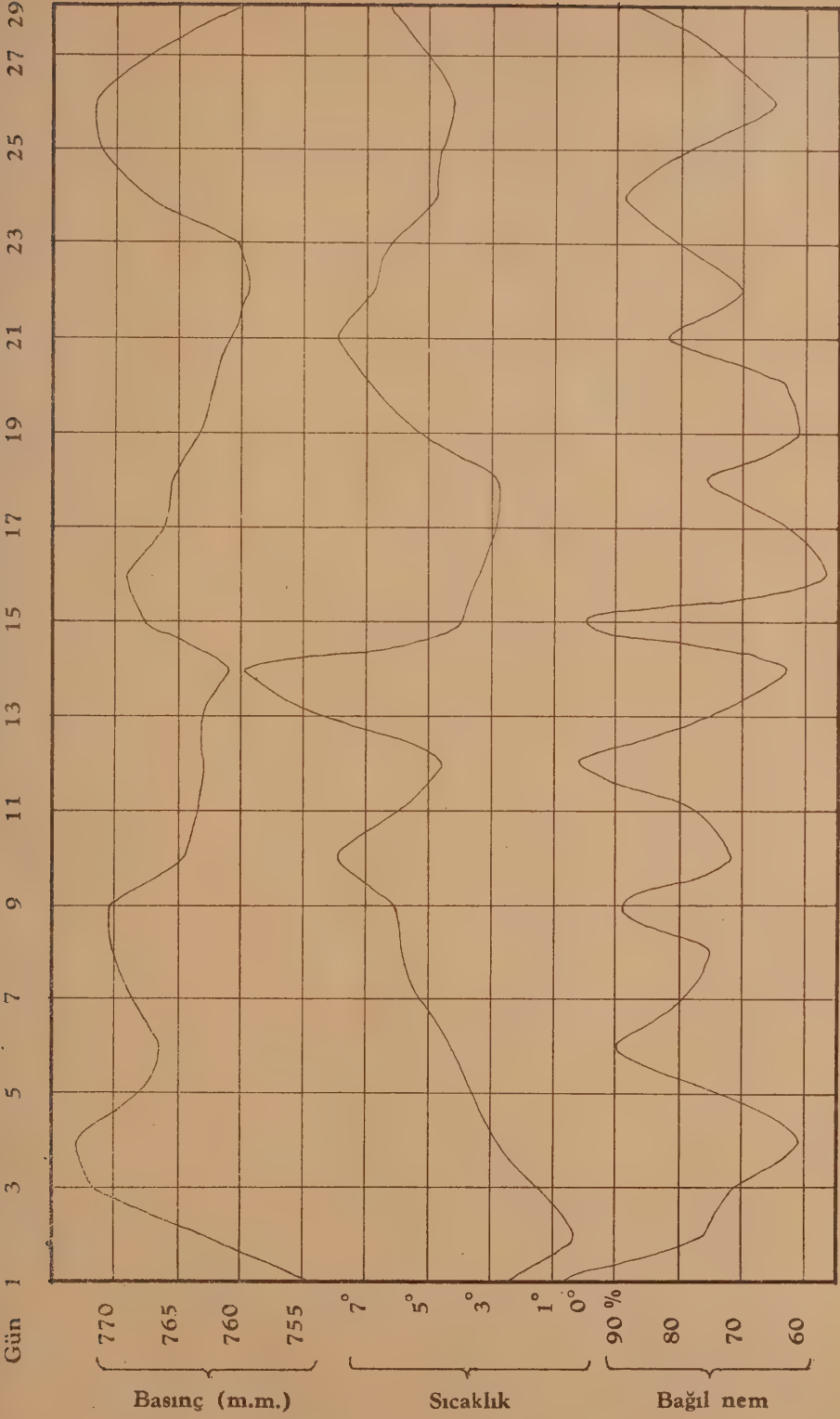
Ocak 1939 (Janvier)



Basınç, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

Şubat 1939 (Février)

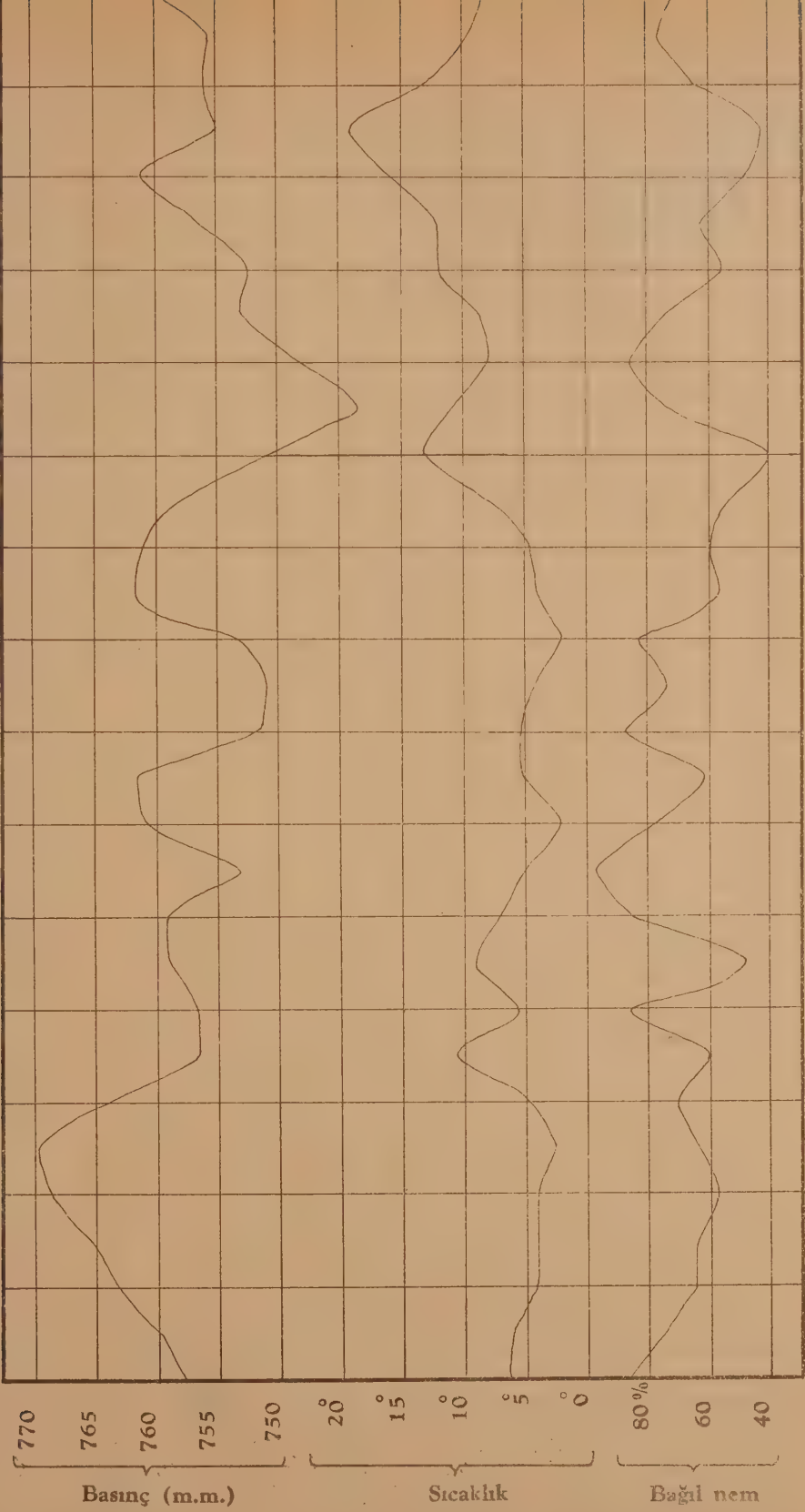


Basınc, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

Mart 1939 (Mars)

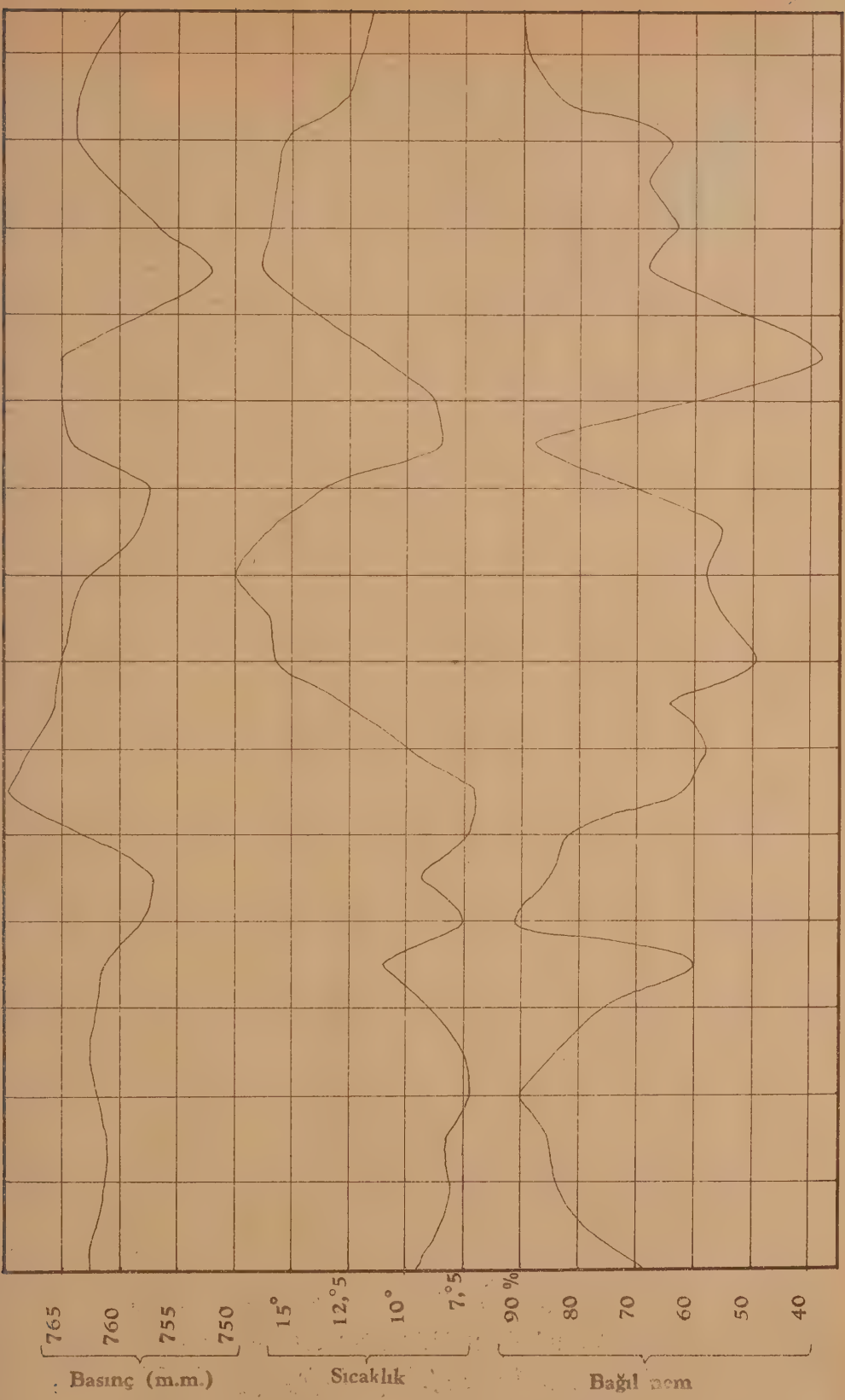
Gün 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 3



Basma, sıcaklık ve bağıl nemin günlük grafikleri.
Graphiques de la pression, température et humidité relative diurne.

Nisan 1939 (Avril)

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29

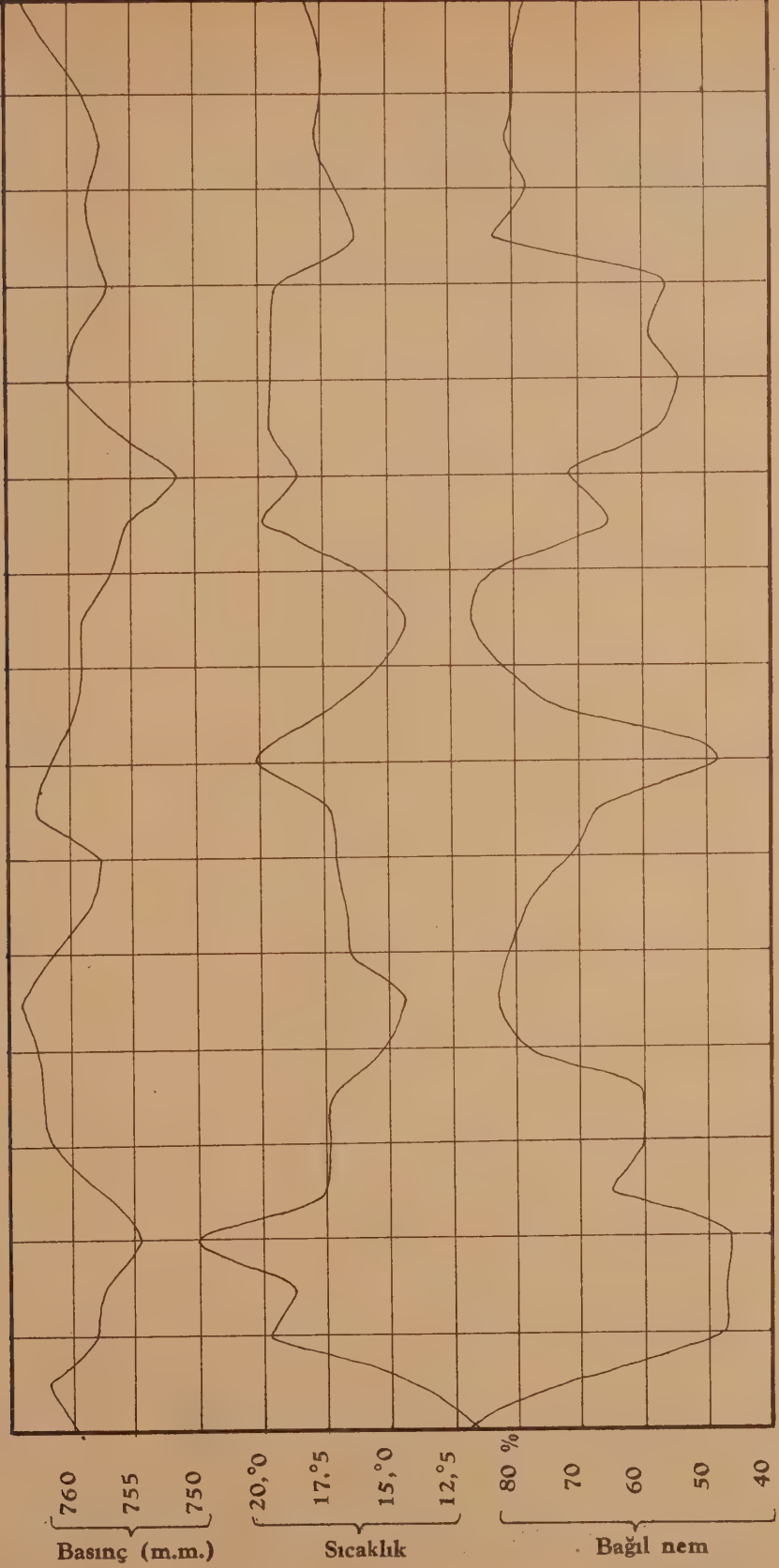


Basınç, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

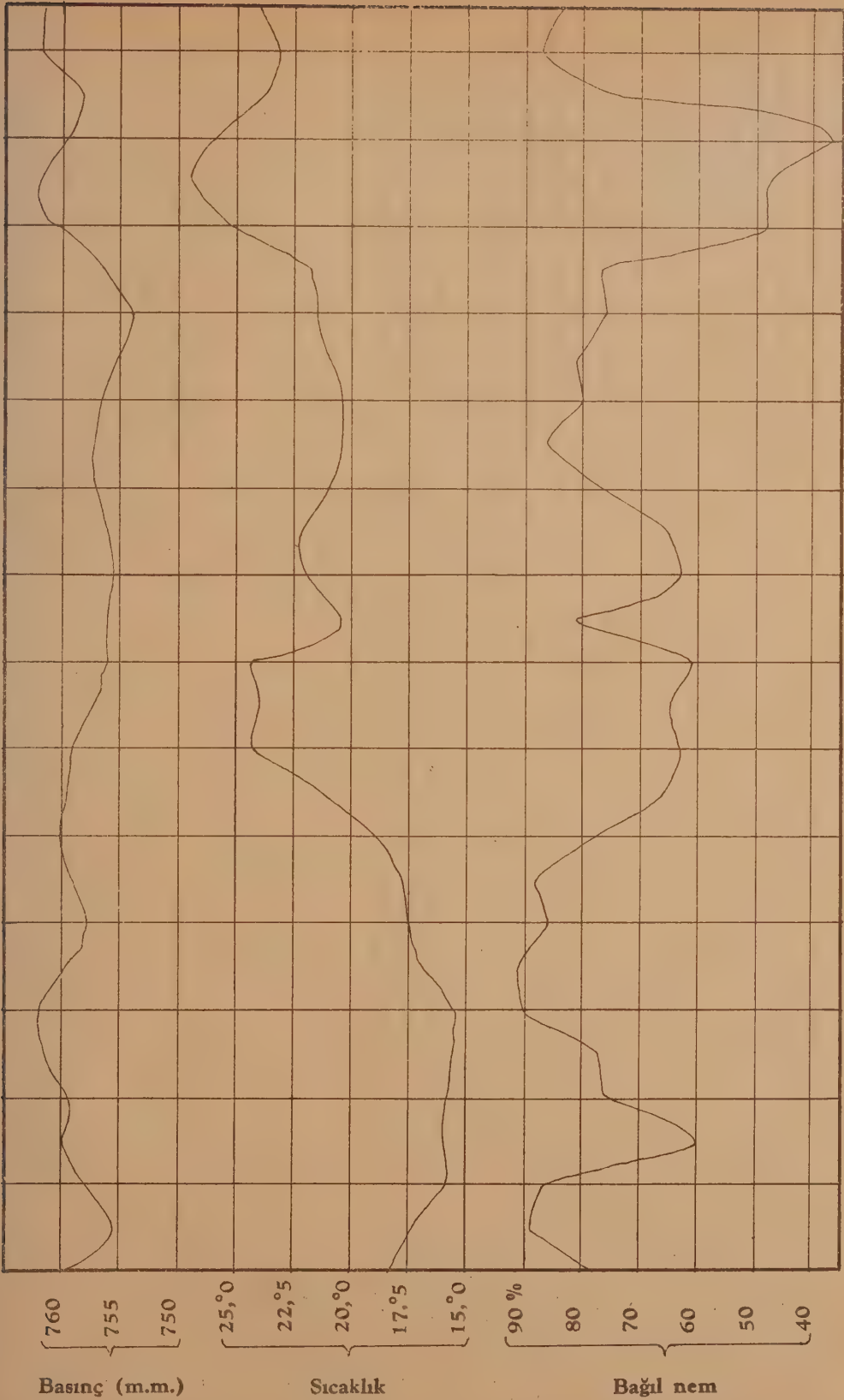
Mayıs 1939 (Mai)

Gün 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31



Basınç, sıcaklık ve bağıl nemin günlük grafikleri.
Graphiques de la pression, température et humidité relative diurne.

Gün 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29



Baskı (m.m.)

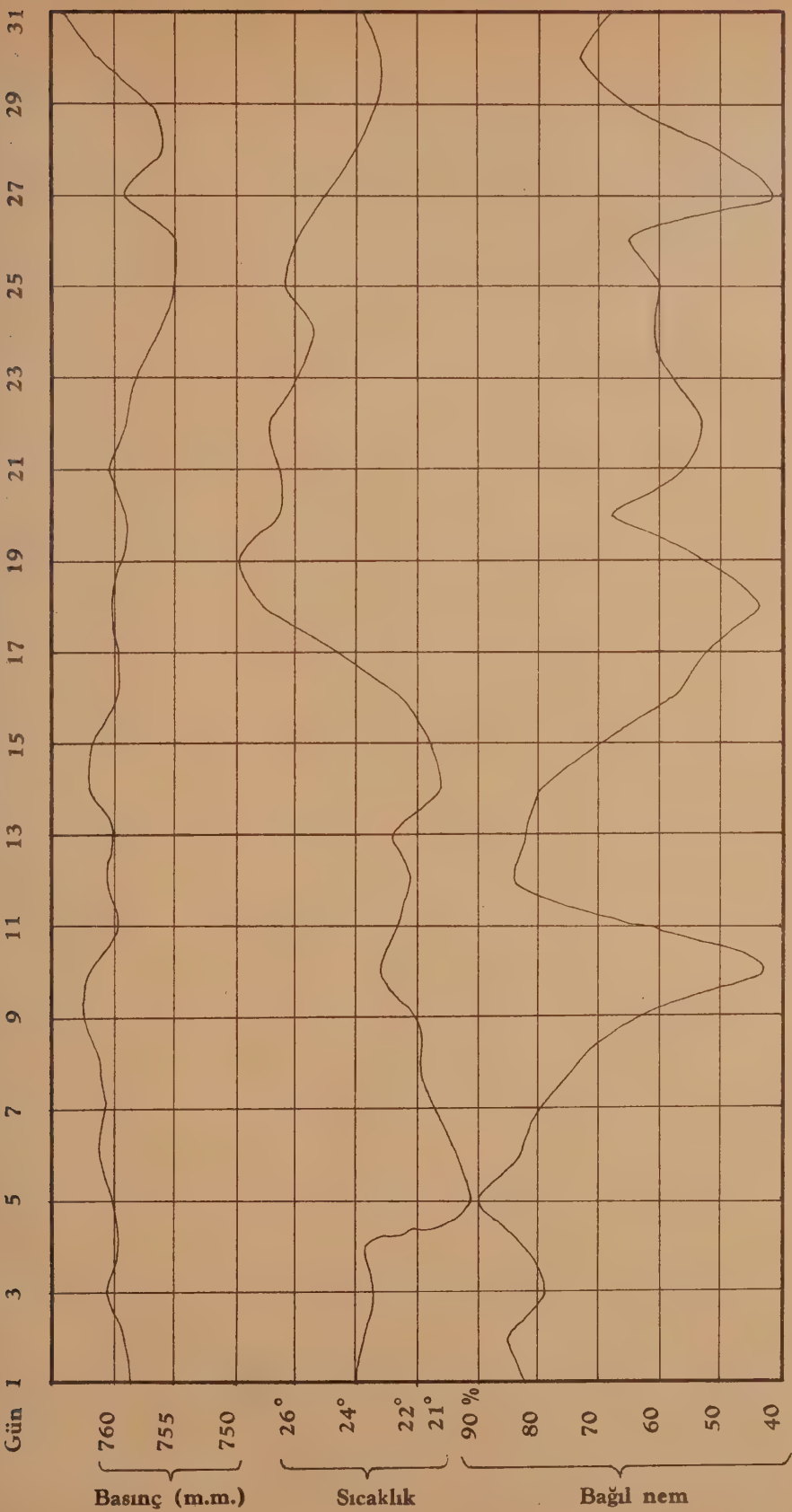
Sıcaklık

Bağıl nem

Baskı, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

Temmuz 1939 (Juillet)

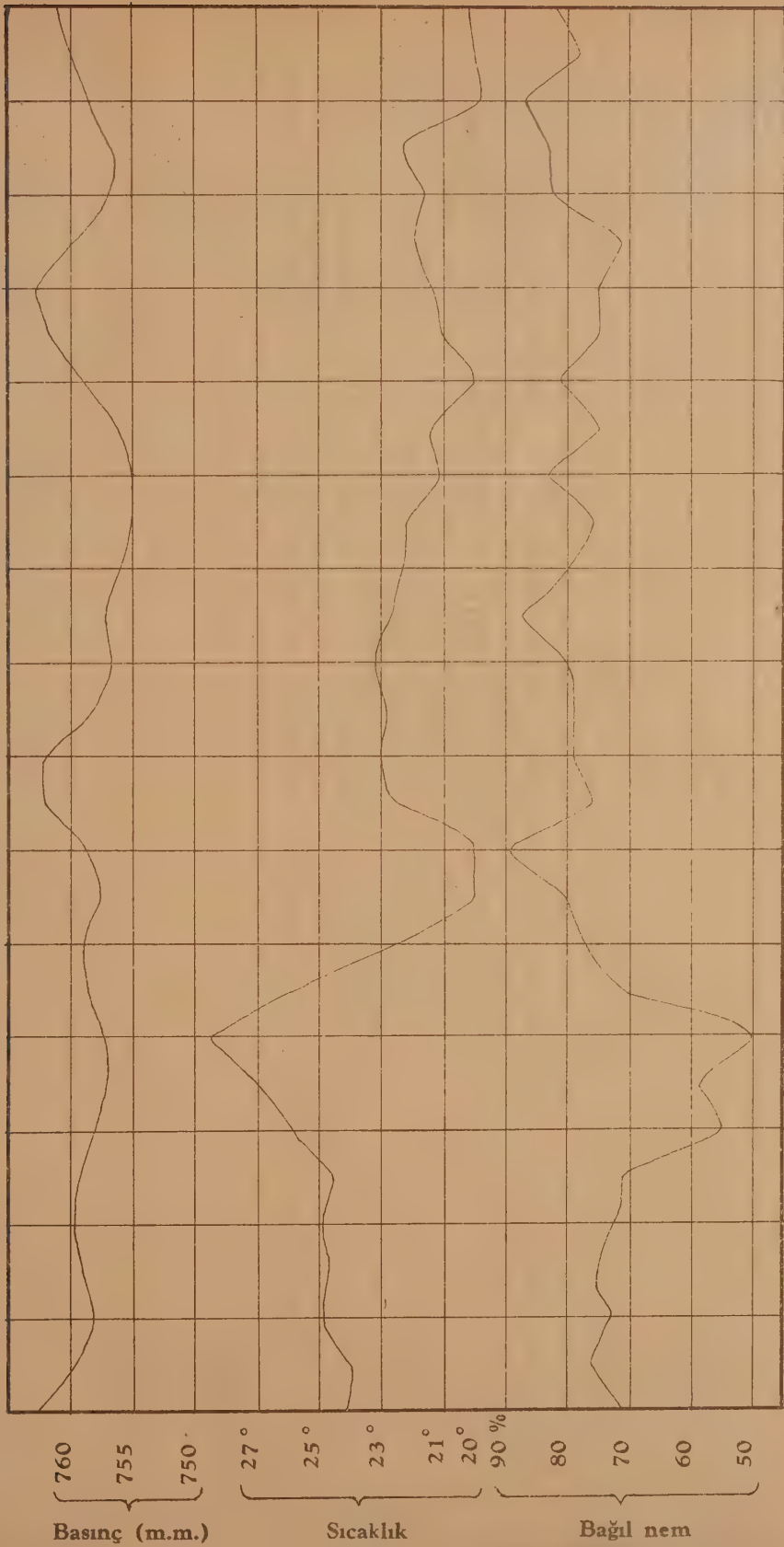


Basınc, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

Ağustos 1939 (Aout)

Gün. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31

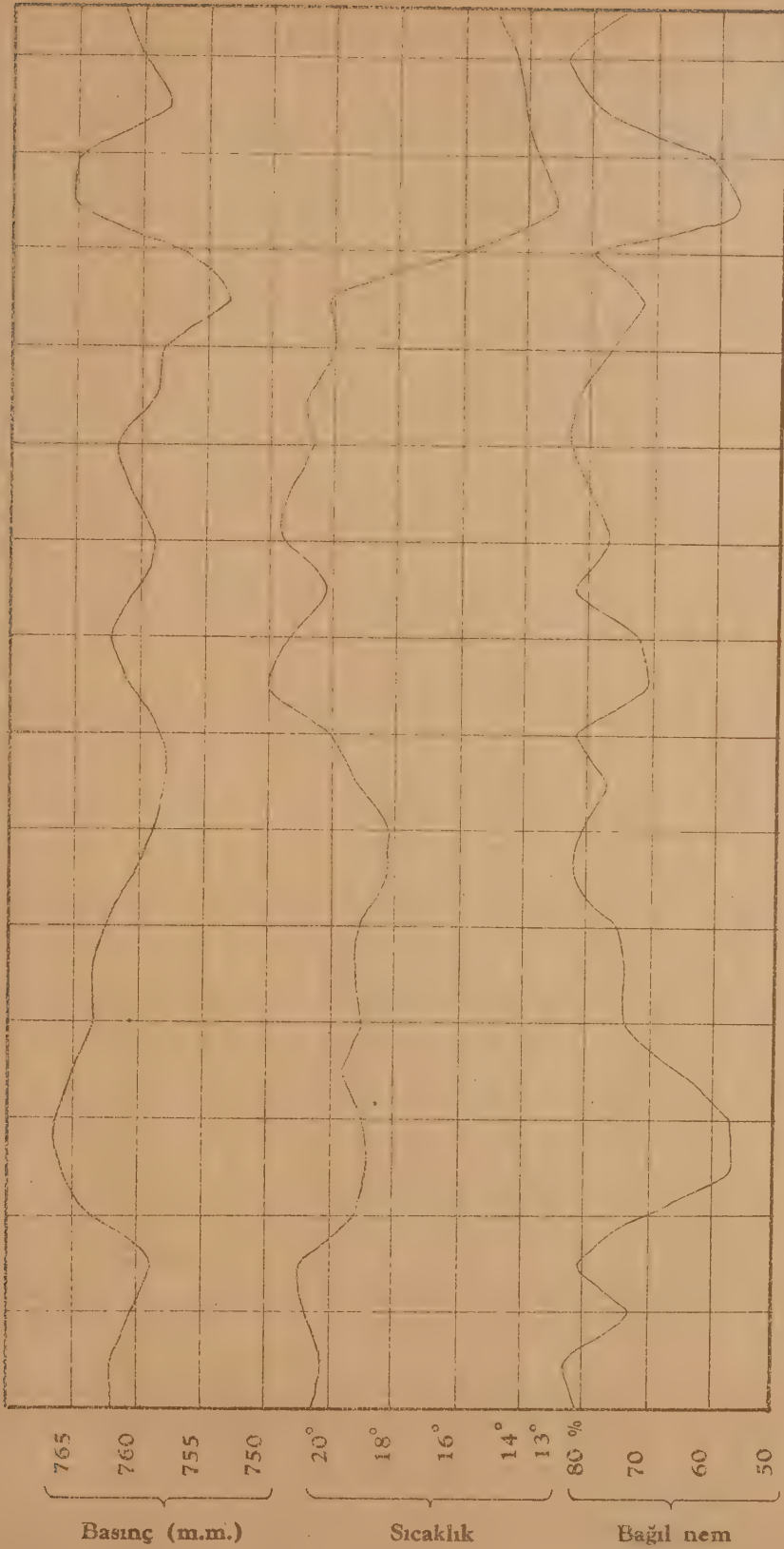


Basmaç, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative

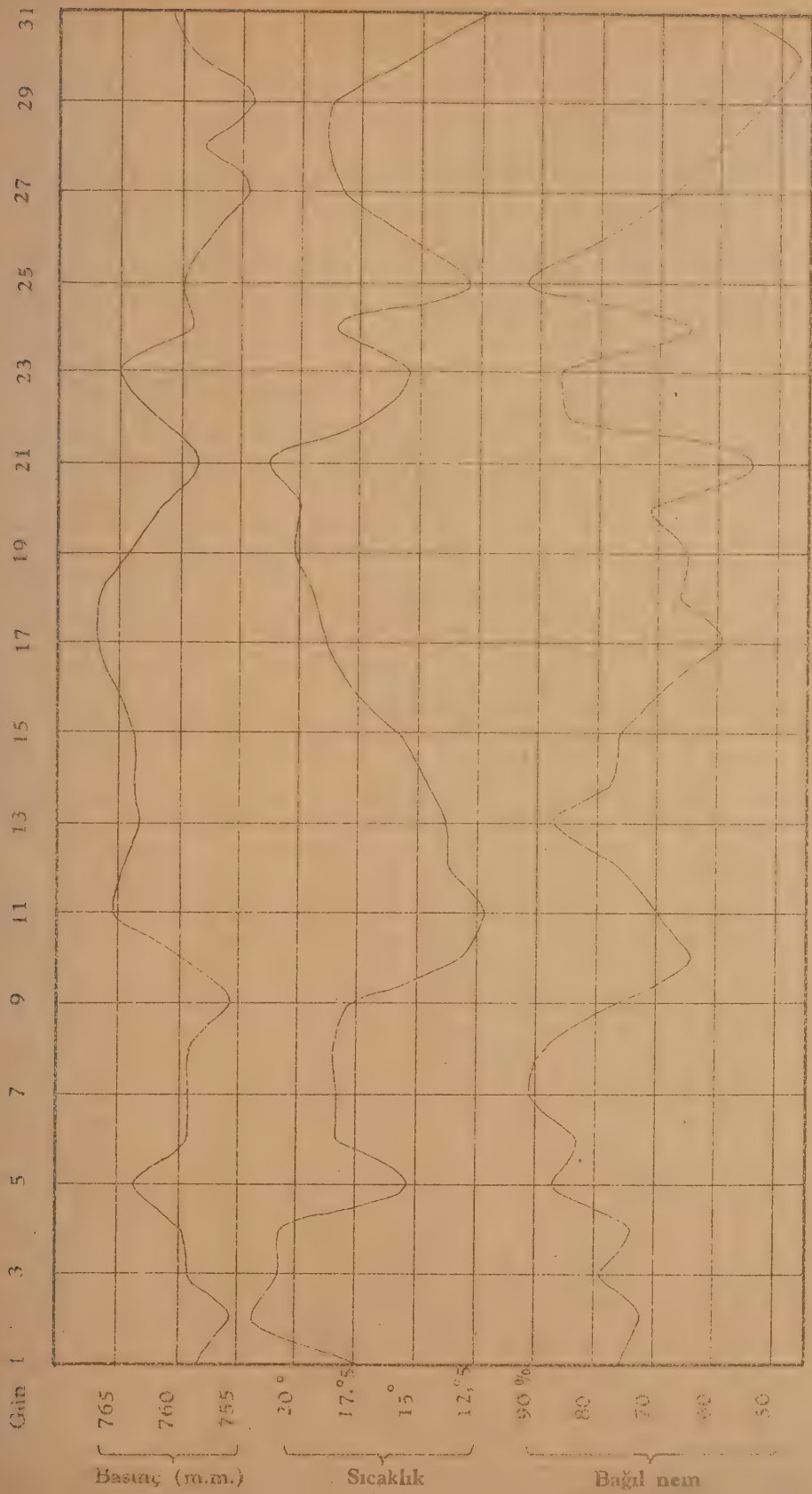
Eylül 1939 (Septembre)

Gün 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29



Basma, sıcaklık ve bağıl nemin günlük grafikleri.

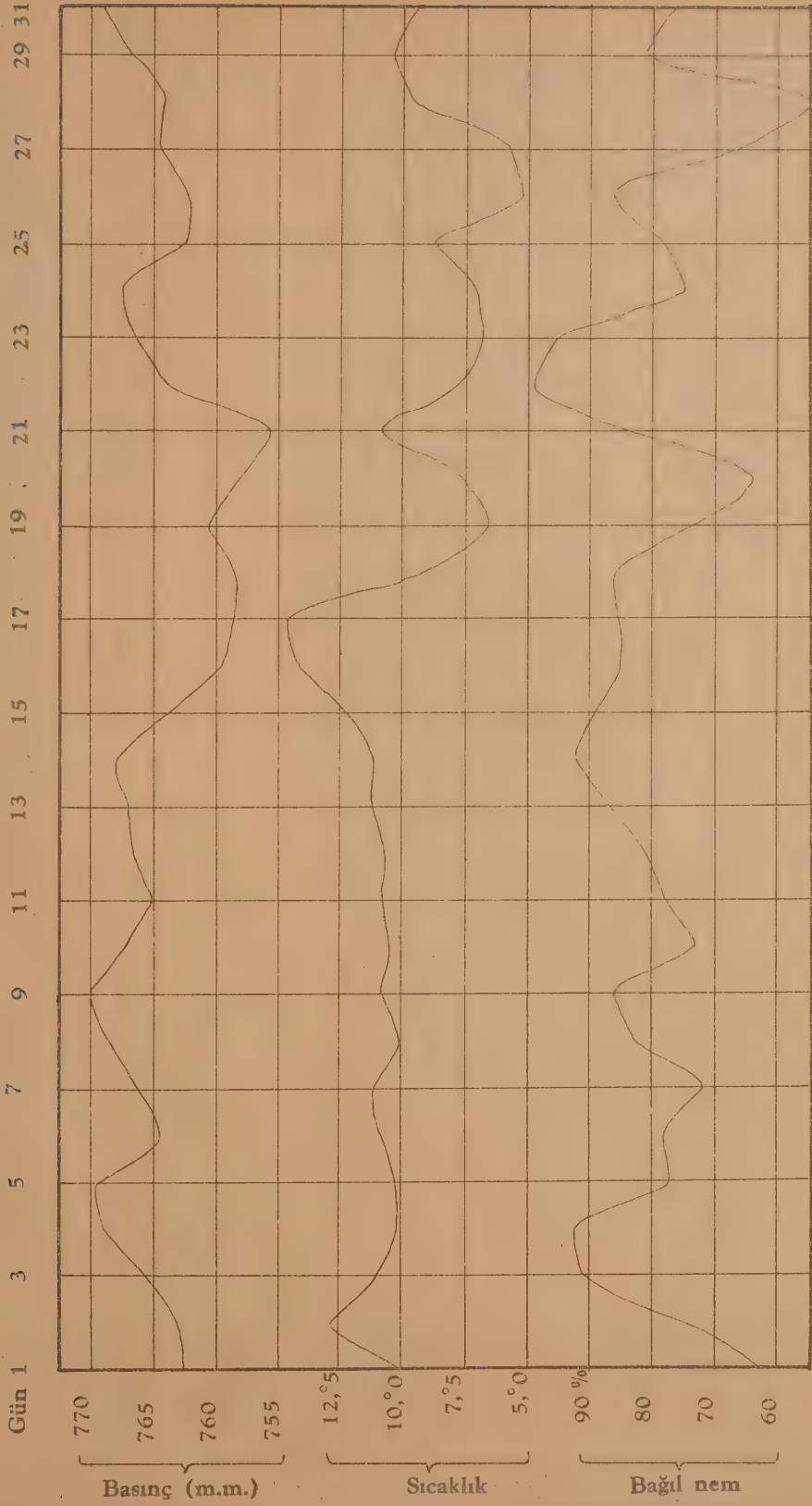
Graphiques de la pression, température et humidité relative diurne.



Basınç, sıcaklık ve bağıl nemin günlük grafikleri.

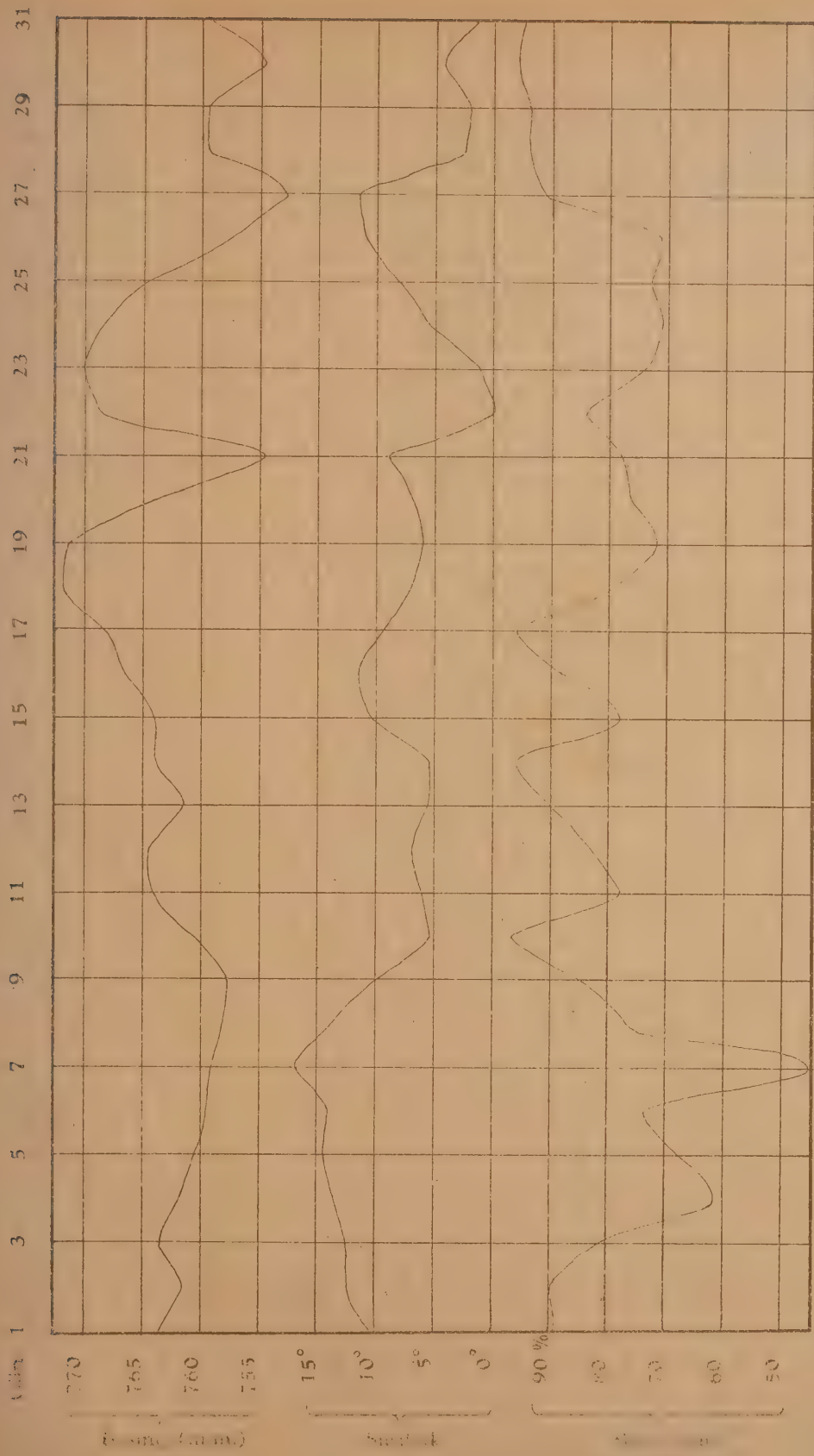
Graphiques de la pression, température et humidité relative diurne.

Kasım 1939 (Novembre)



Basmaç, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.



Basınç, sıcaklık ve bağıl nemin günlük grafikleri.

Graphiques de la pression, température et humidité relative diurne.

Ocak 1939 (Janvier)

Şubat 1939 (Février)

Saat 1

3

5

7

9

11

13

15

17

19

21

23

24

1

3

5

7

9

11

13

15

17

19

21

23

24

{ 762

761

{ 10°

8°

6°

{ 80%

70

60

766

765

6°

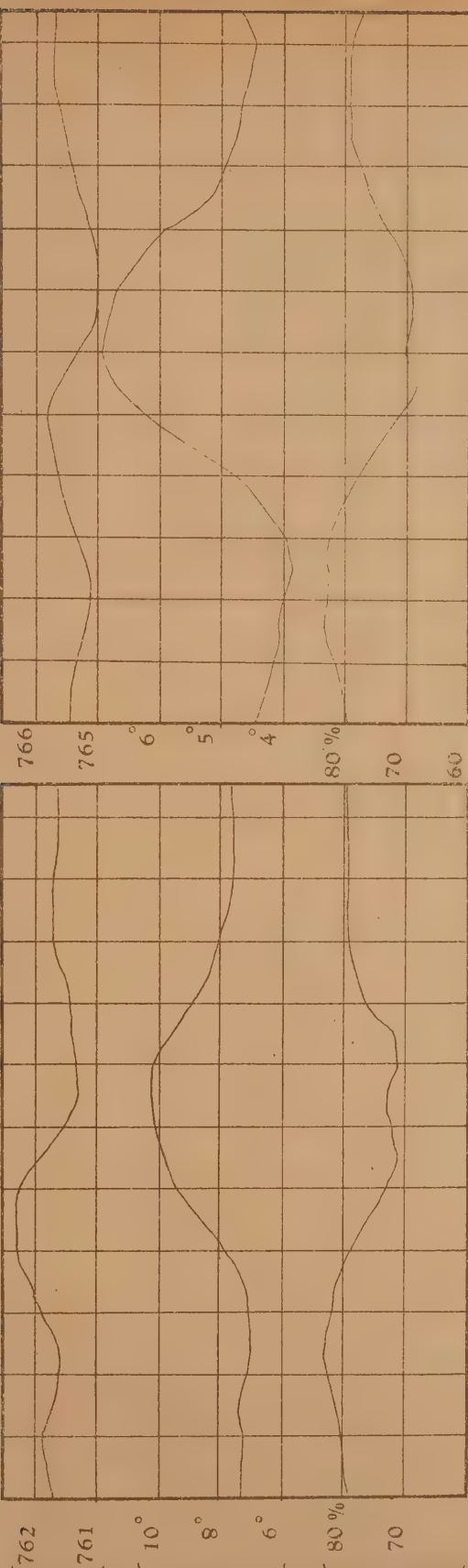
5°

4°

80%

70

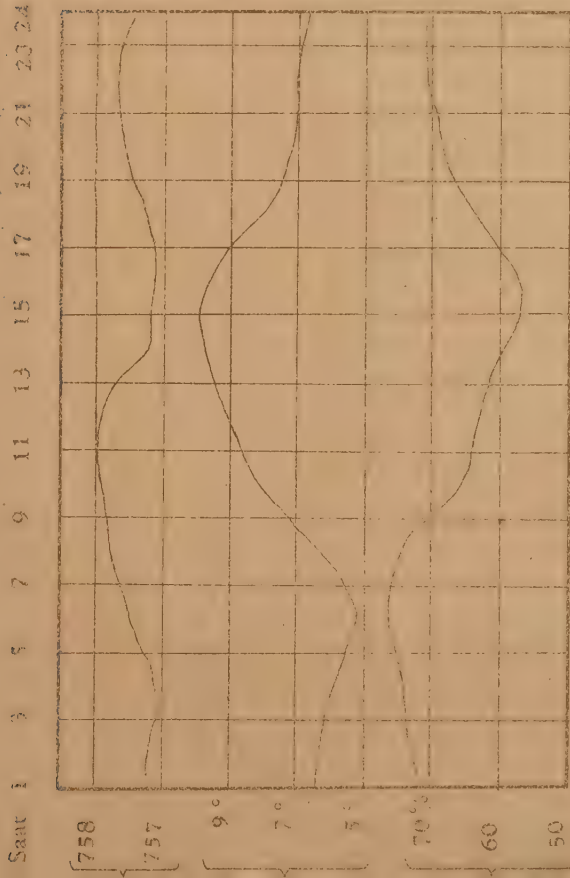
60



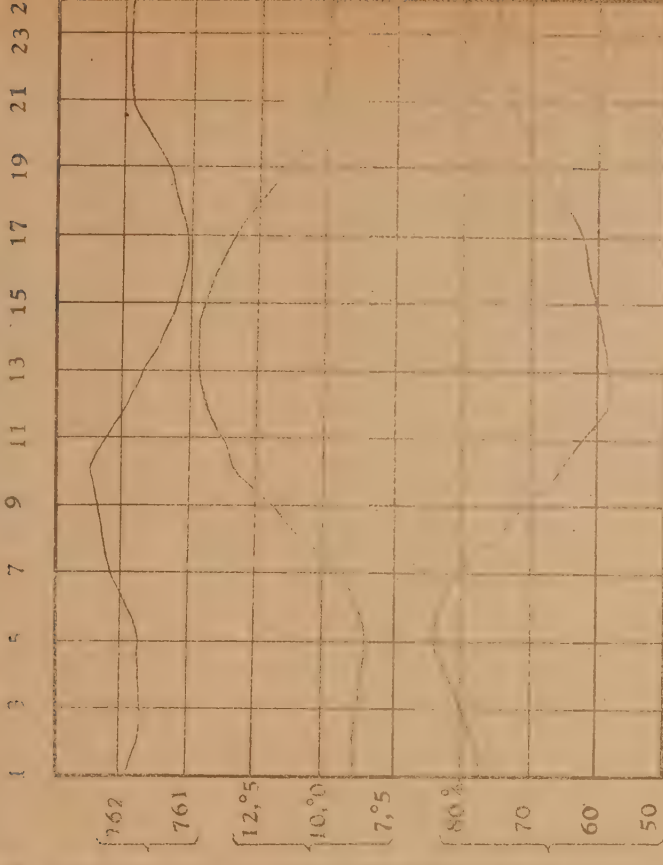
Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire.

Mart 1939 (Mars)



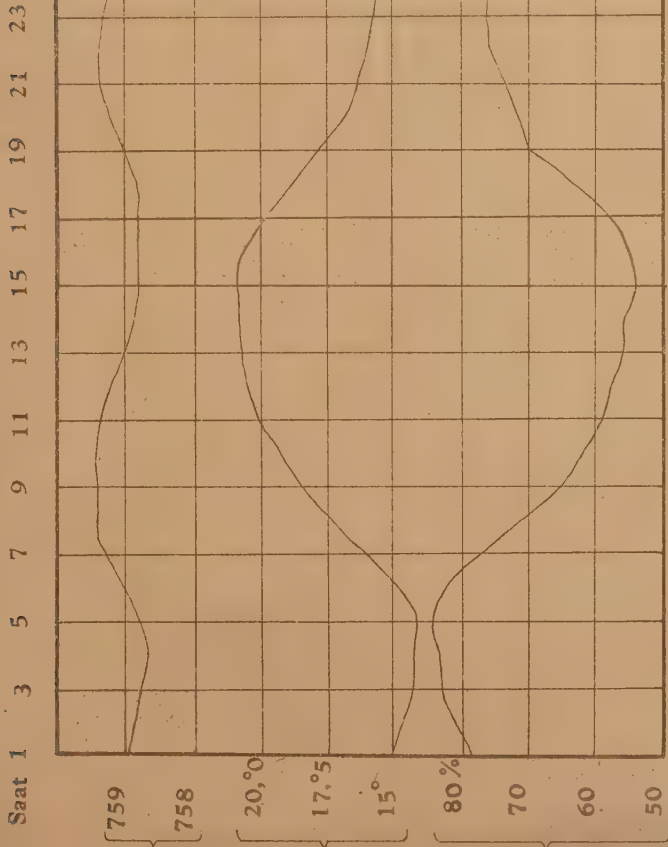
Nisan 1939 (Aoril)



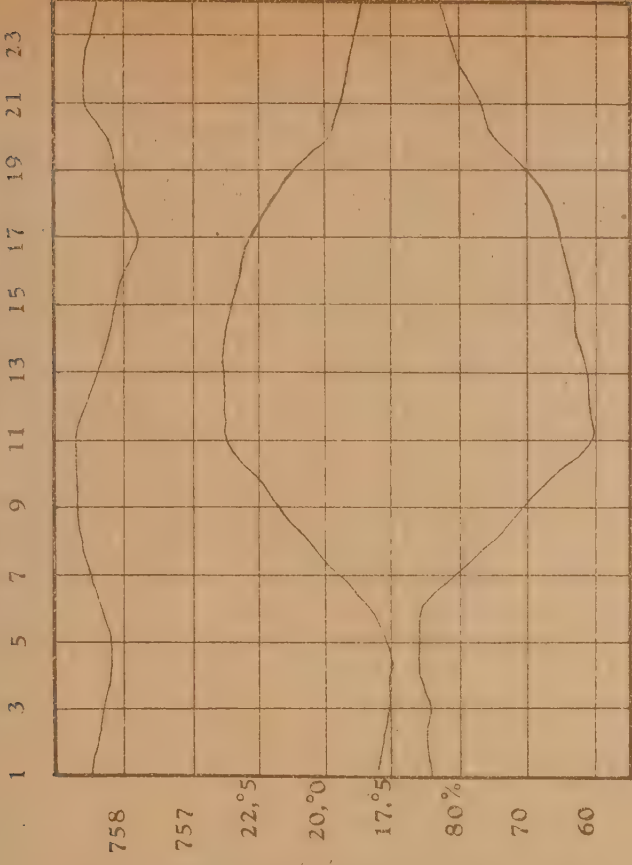
Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaires.

Mayıs 1939 (Mai)



Haziran 1939 (Juin)

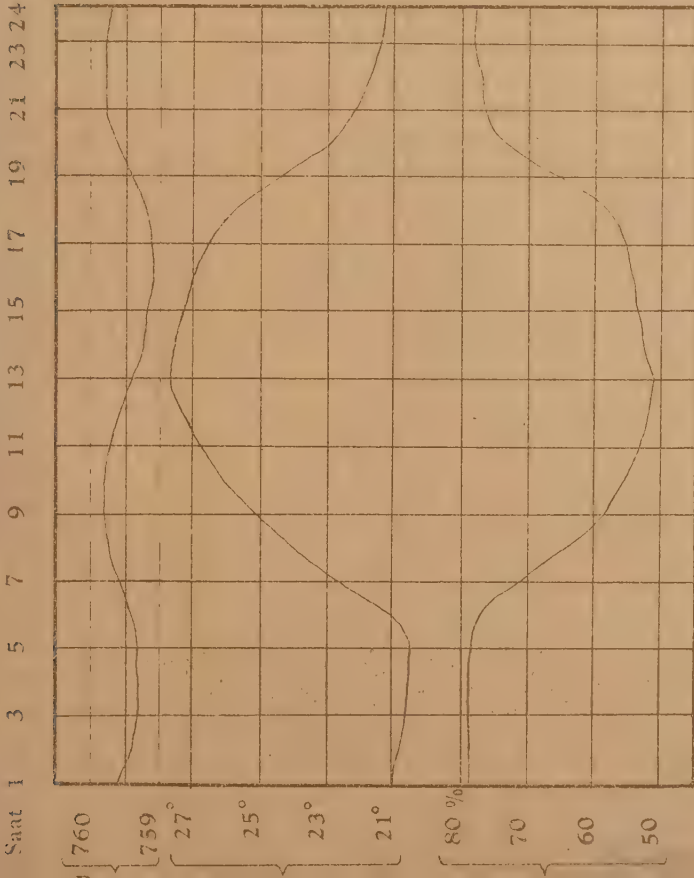


Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

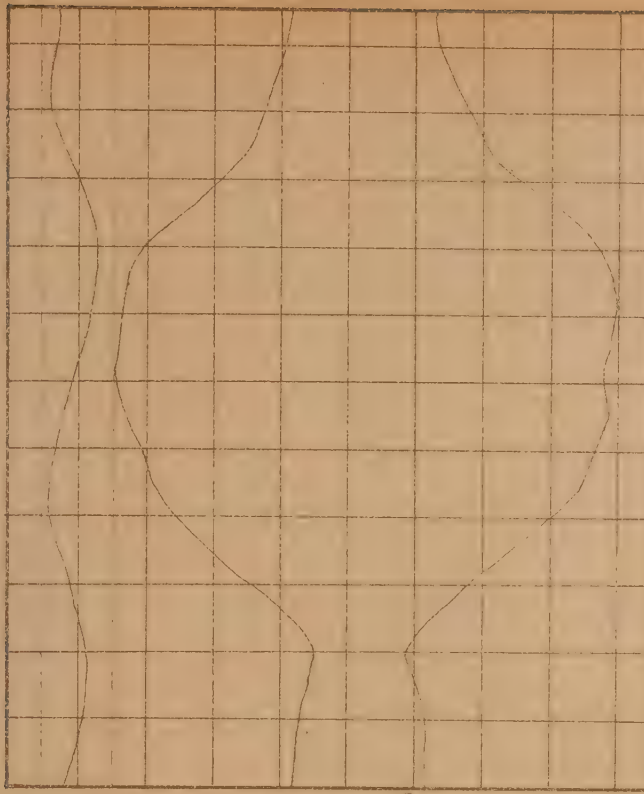
Graphiques de la pression, température et humidité relative horaire.

Temmuz 1939 (Juillet)

Ağustos 1939 (Aout)



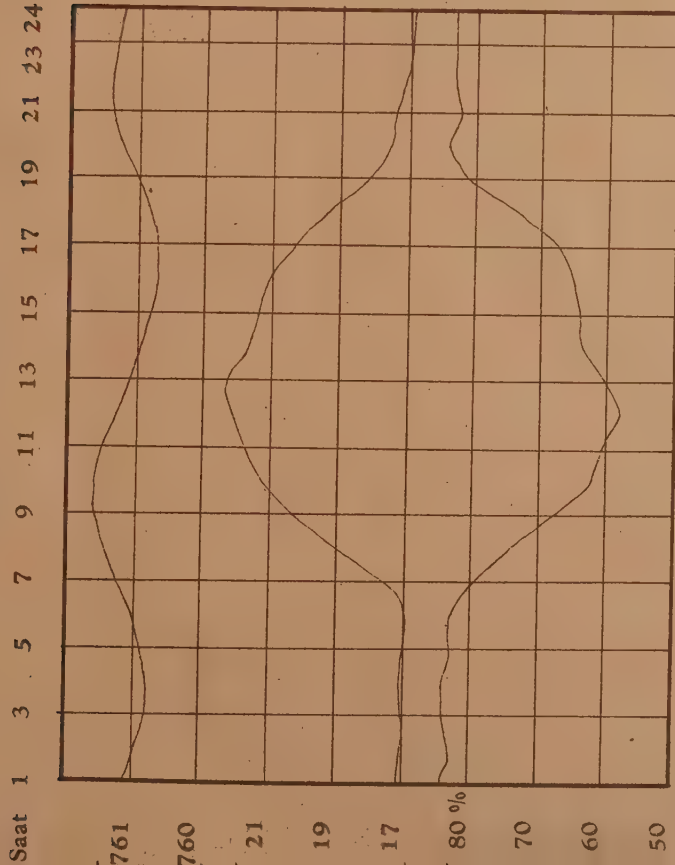
759
758
25°
23°
21°
19°
90%
80
70
60



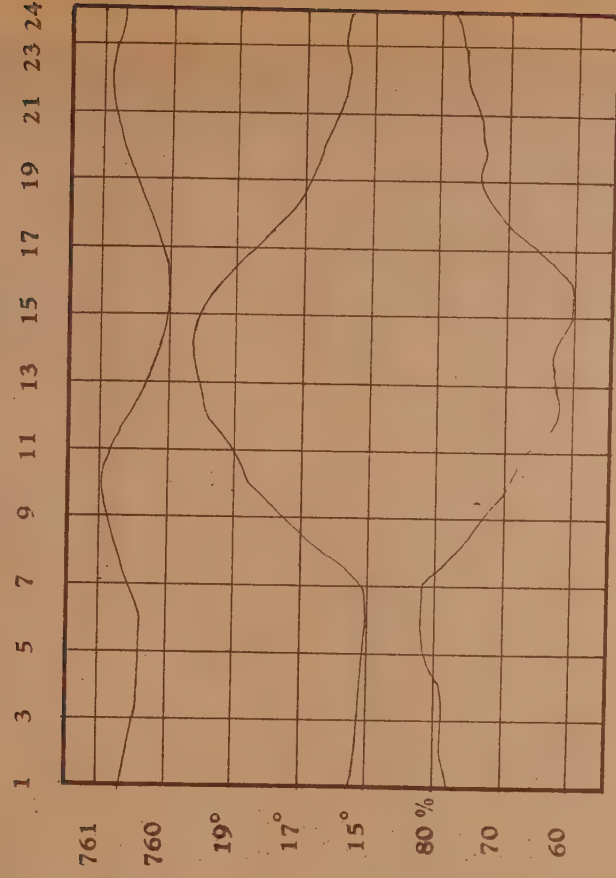
Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire.

Eylül 1939 (Septembre)



Ekim 1939 (Octobre)

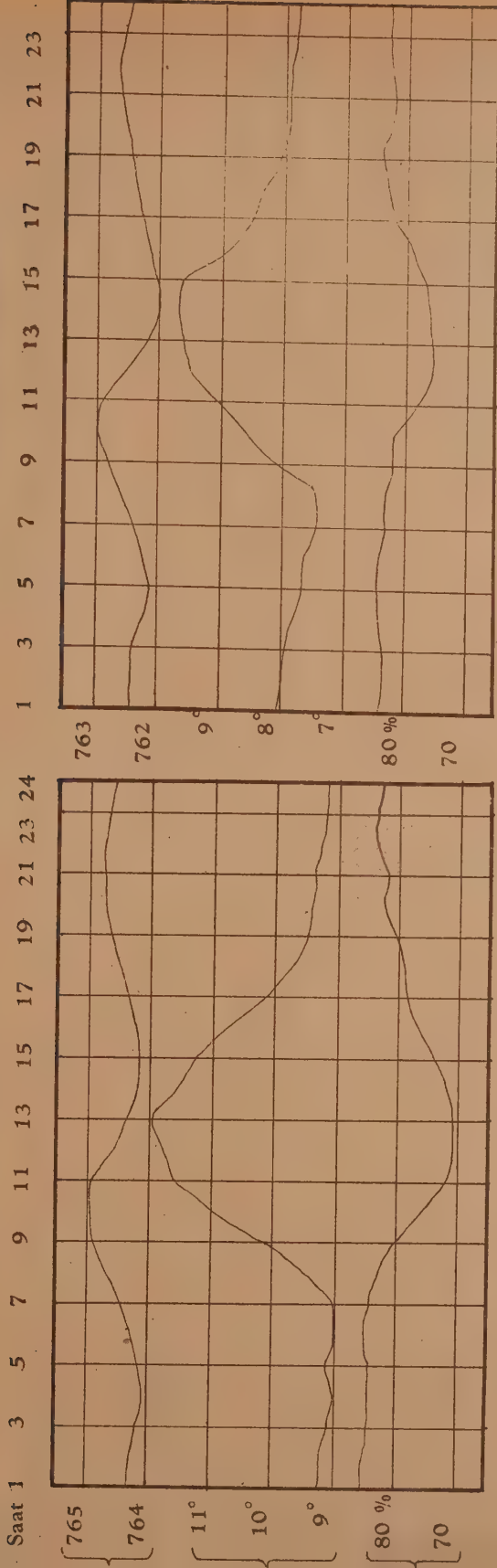


Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire.

Kasım 1939 (Novembre)

Aralık 1939 (Décembre)

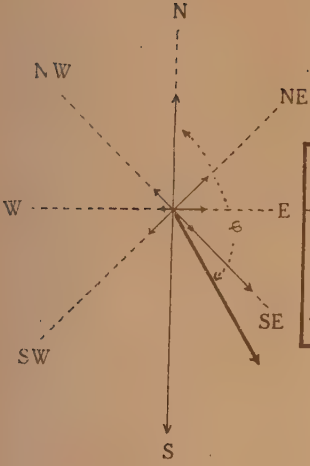


Basınç, sıcaklık ve bağıl nemin saatlik grafikleri.

Graphiques de la pression, température et humidité relative horaire.

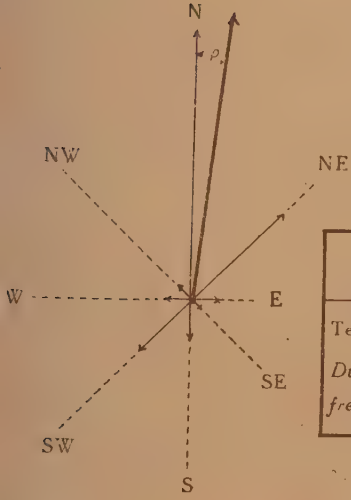
Rüzgâr grafikleri
Graphiques du Vent

Ocak 1939 (Janvier)



Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	128	50	35	125	243	35	12	32	84	744
	%	17	7	5	17	33	5	1	4	11	100

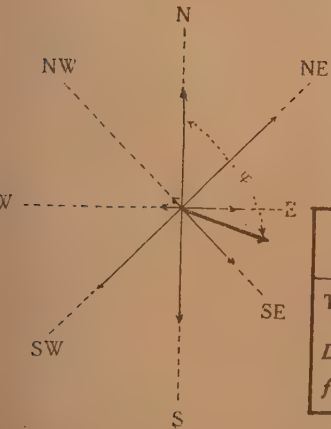
Galip Yön : = φ 150°



Şubat 1939 (Février)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	268	127	23	9	41	74	19	15	96	672
	%	40	19	4	1	6	11	3	2	14	100

Galip Yön : = φ 8°



Mart 1939 (Mars)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	125	150	54	86	124	125	24	16	40	744
	%	17	20	7	12	17	17	3	2	5	100

Galip Yön : = φ 108°

Rüzgâr grafikleri
Graphiques du Vent

Nisan 1939 (Avril)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	275	162	38	29	50	69	10	5	82	720
	%	38	23	5	4	7	10	1	1	11	100

Galip Yön : = φ 22°

Mayıs 1939 (Mai)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	192	90	51	33	110	177	15	8	68	744
	%	26	12	7	4	15	24	2	1	9	100

Galip Yön : = φ 290°

Haziran 1939 (Juin)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	236	87	38	19	50	114	15	15	116	720
	%	33	12	5	3	7	20	2	2	16	100

Galip Yön : = φ 355°

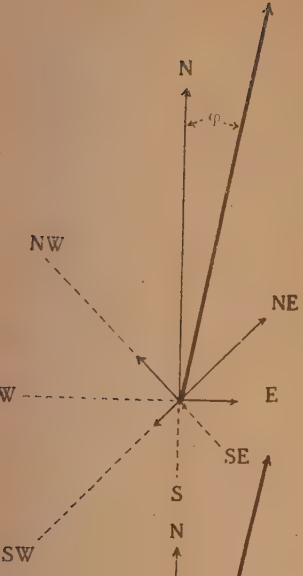
No 20

Rüzgâr grafikleri
Graphiques du Vent

Temmuz 1939 (Juillet)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	341	133	59	10	1	35	2	63	100	744
	%	46	18	8	1		5		9	13	100

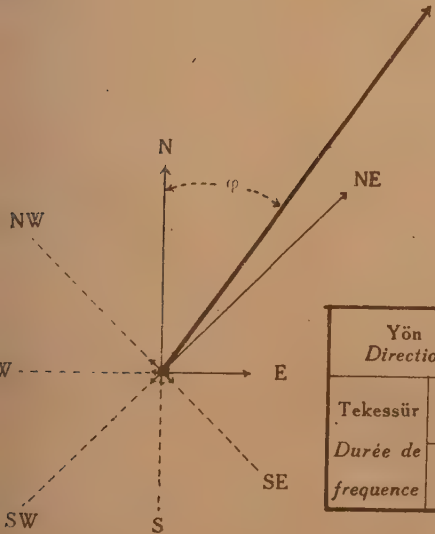
Galip Yön : = φ 11°



Ağustos 1939 (Août)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	358	173	37	5	4	39	10	31	87	744
	%	48	23	5	1	1	5	1	4	12	150

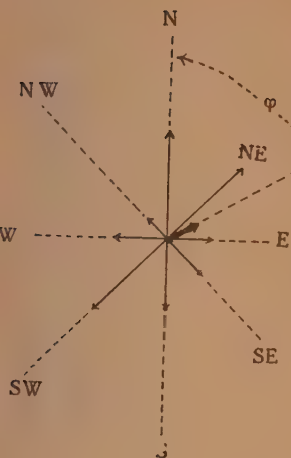
Galip Yön : = φ 13°



Eylül 1939 (Septembre)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	224	284	95	15	9	14	4	11	64	720
	%	31	39	13	2	1	2	1	2	0	100

Galip Yön : = φ 35°

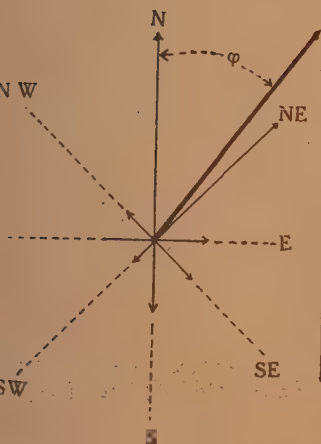


Rüzgâr grafikleri Graphiques du Vent

Ekim 1939 (Octobre)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	122	109	51	59	79	114	60	29	122	744
	%	16	15	7	8	11	15	8	4	16	100

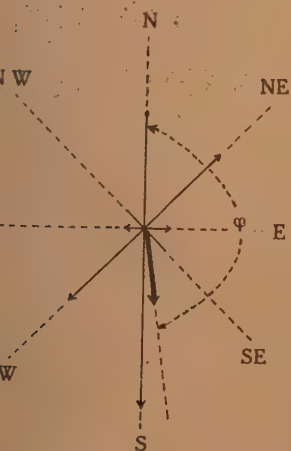
Galip Yön : = φ 61°



Kasım 1939 (Novembre)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	216	180	58	59	78	30	1	44	54	720
	%	30	25	8	8	11	4		6	8	100

Galip Yön : = φ 37°



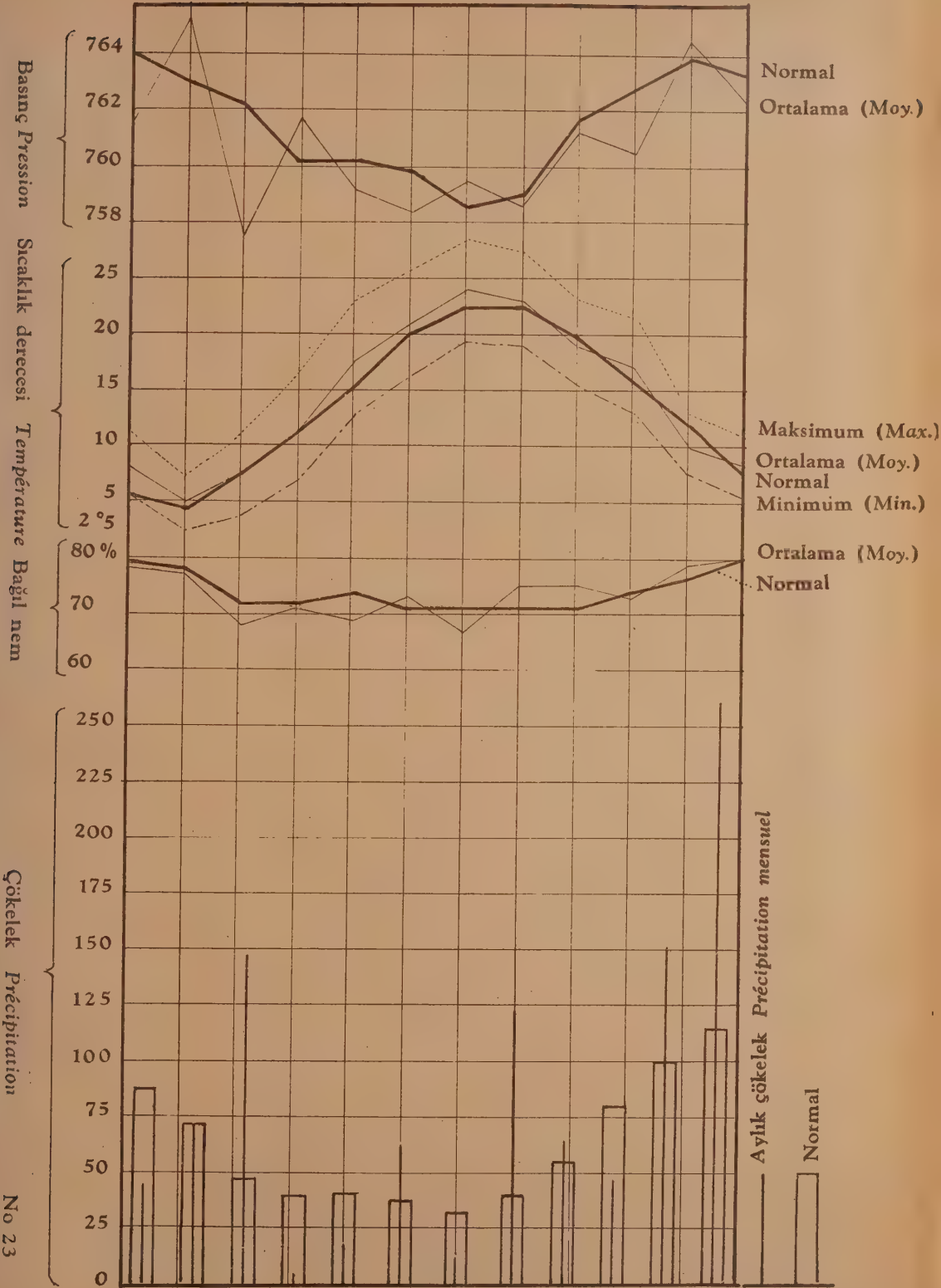
Aralık 1939 (Décembre)

Yön Direction		N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekessür Durée de frequence	Saat h.	124	117	32	36	202	119	24	31	59	744
	%	17	16	4	5	27	16	3	4	8	100

Galip yön : = φ 173°

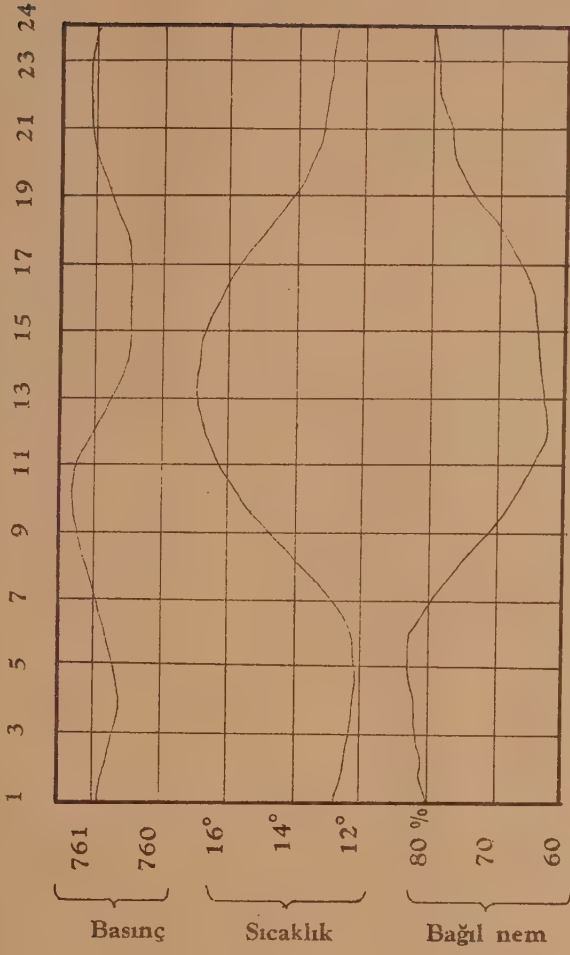
Yıl 1939 Année

Ay I II III IV V VI VII VIII IX X XI XII



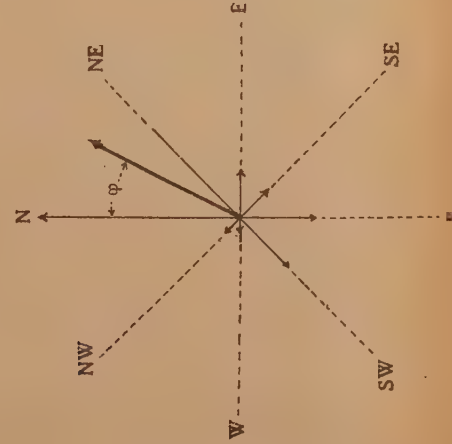
Yıl 1939 Année

Saatlik ortalama grafikleri — Graphiques de la moyenne horaire



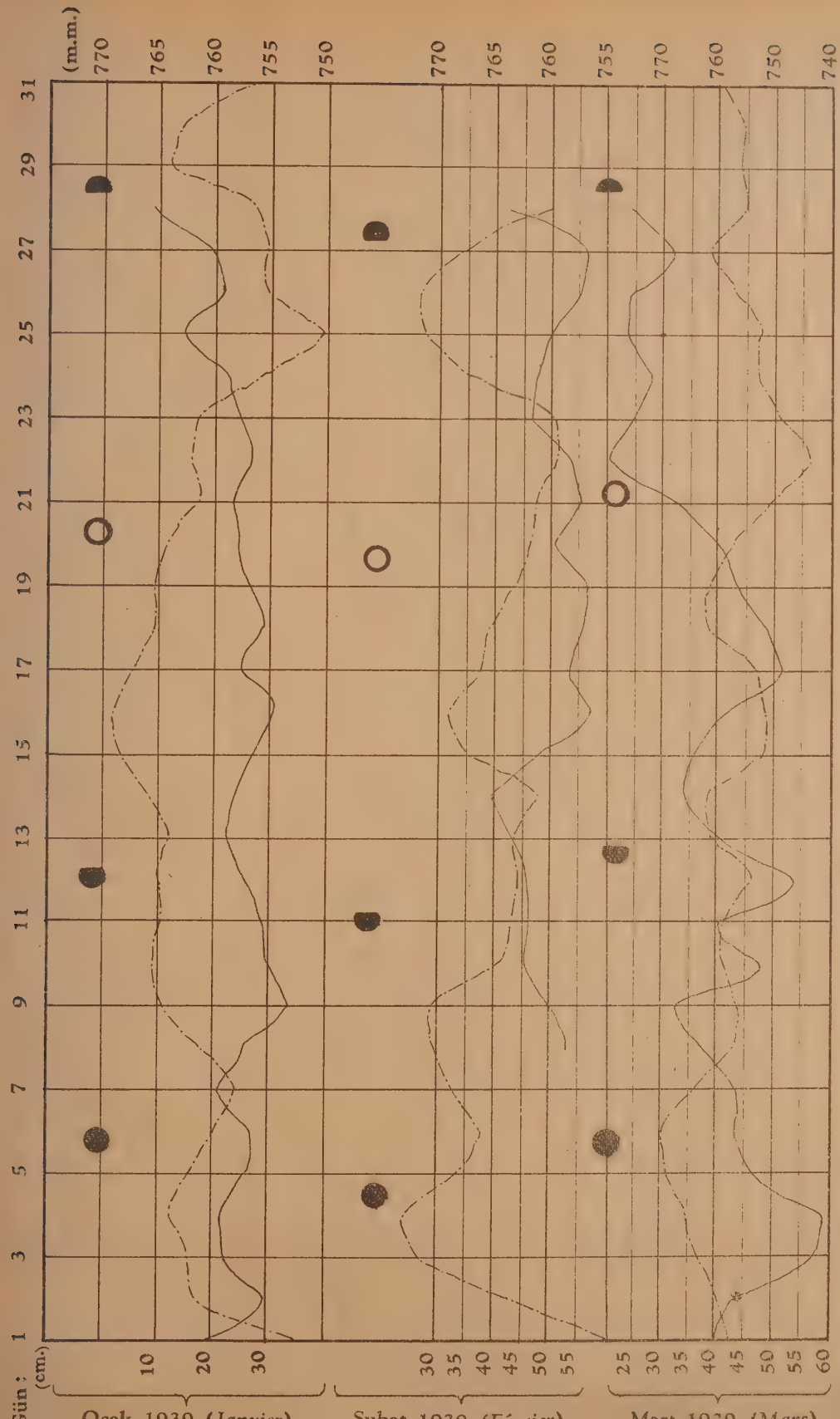
Rüzgâr grafiği
Graphiques du Vent
Yıl 1939 Année

Yön Direction	Saât h.	%	N	NE	E	SE	S	SW	W	NW	Durgun Calme	Toplam Total
Tekerrür Durée de frequency	2609	30	1662	571	485	991	975	196	299	972	8760	100

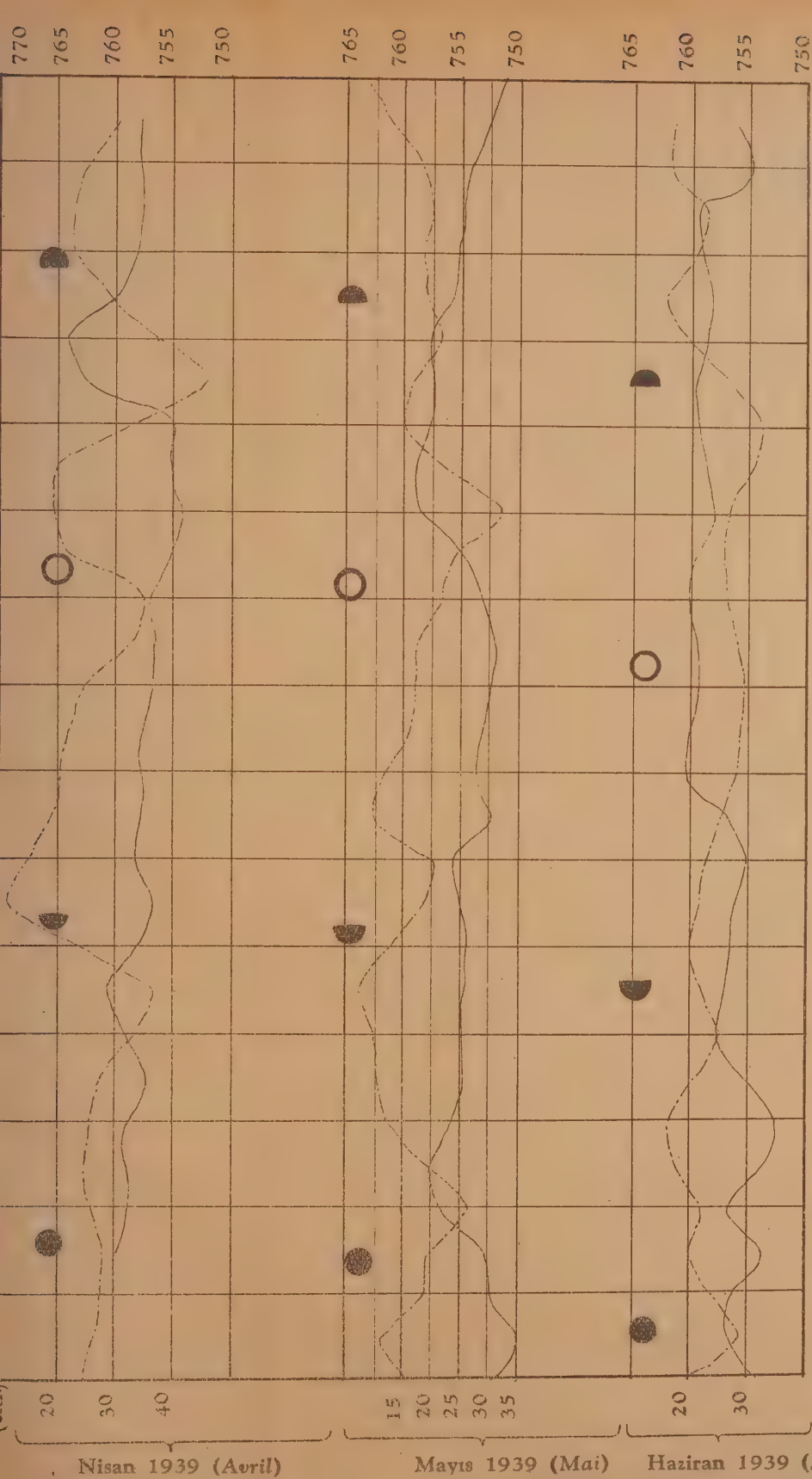


No 24

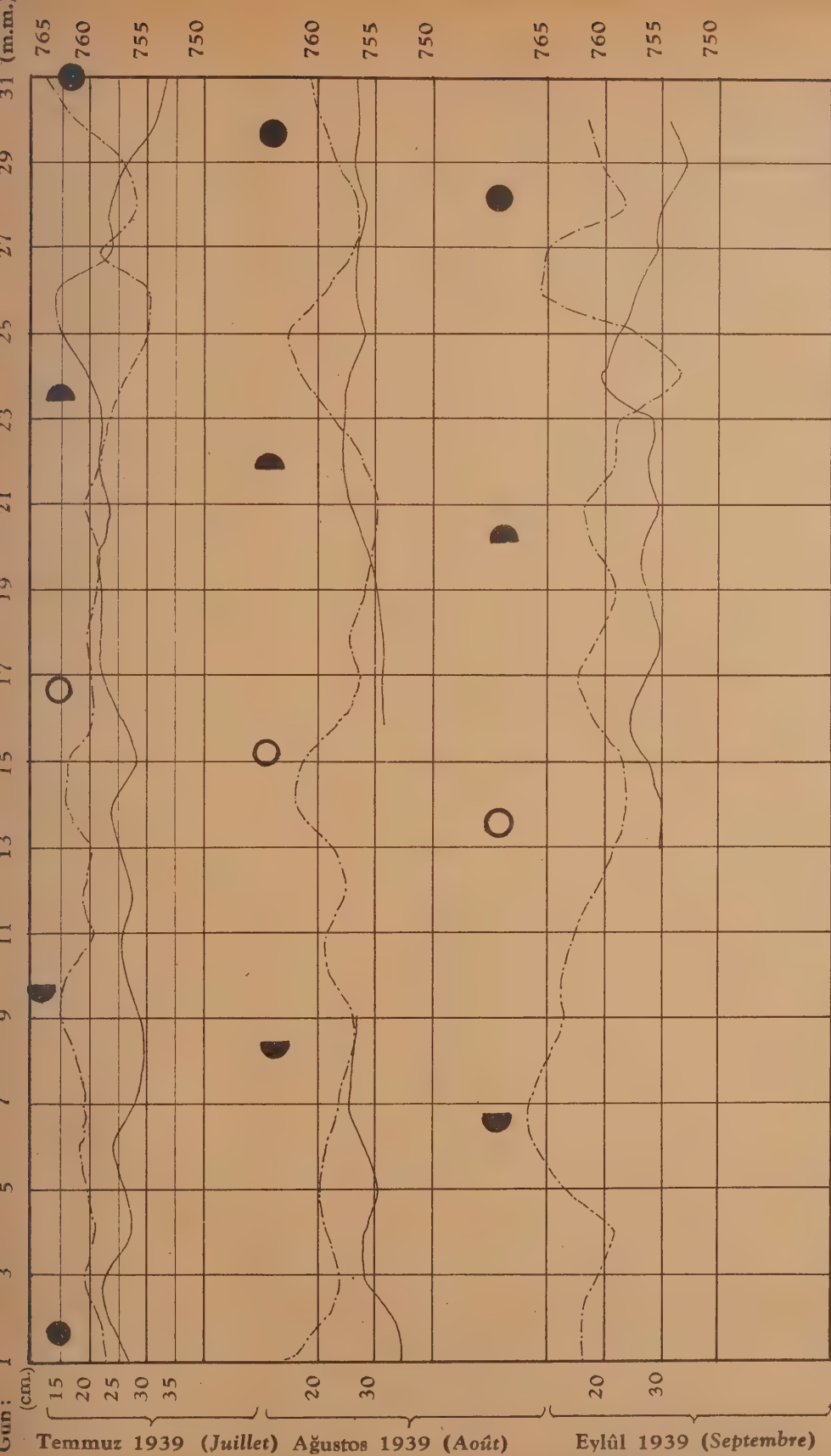
Galip yön : = $\varphi 27^\circ$



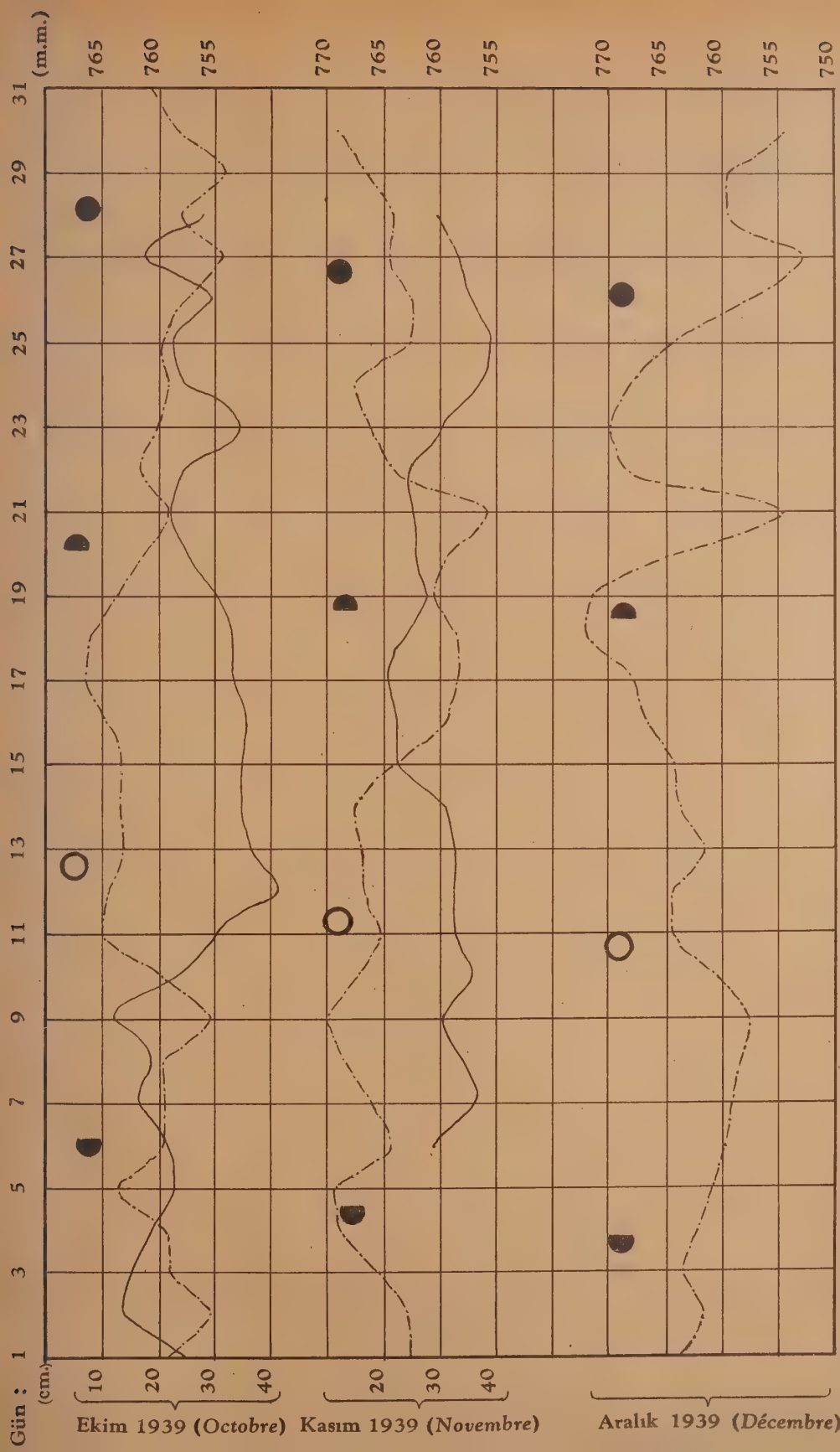
Not: — Deniz seviyesini, --- barometre yüksekliğini, soldaki adetler röperden aşağı deniz seviyesini, sağdakiler barometreyi gösterir.
 — Indique le N. de la mer: --- La hauteur du baromètre, les chiffres à gauche indiquent le N. de la mer au dessous du réper. les chiffres à droite hauteur du baromètre.



Not: — Deniz seviyesini, - - - - - barometre yüksekliğini, soldaki adetler röperden aşağı deniz seviyesini, sağdakiler barometreyi gösterir.
 — Indique le N. de la mer: - - - - - La hauteur du baromètre, les chiffres à gauche indiquent le N. de la mer au dessous du repér. les chiffres à droite hauteur du baromètre.



Not: — Deniz seviyesini, --- barometre yüksekliğini, soldaki adettler röperden aşağı deniz seviyesini, sağdakiler barometreyi gösterir.
 — Indique le N. de la mer: --- La hauteur du baromètre, les chiffres à gauche indiquent le N. de la mer au dessous du repér. les chiffres à droite hautur du baromètre.



Not: — Deniz seviyesini, — — — — barometre yüksekliğini, soldaki adetler röperden aşağı deniz seviyesini, sağdakiler barometreyi gösterir.
 — Indique le N. de la mer: — — — — La hauteur du baromètre, les chiffres à gauche indiquent le N. de la mer au dessous du repér. les chiffres à droite hauteur du baromètre.

(Sismogram : I)

h. m. Sec.

01 34 55



Bursa (İnegöl) zelzelesi

Tarihi: 16.IX.1939

Aletin sistemi: Mainka

Ciheti: N. S.

Kütlesi: 450 Kg.

Büyütmesi: 98

Periyodu: 10,5 Sec.



Dikili zelzelesi

Tarihi: 22.IX.1939

(Sismogram : II)

Aletin sistemi: Mainka

Ciheti: N. S.

Kütlesi: 450 Kg.

Büyütmesi: 98

Periodu: 10,5 Sec.

h. m. Sec.

01 14



(Sismogram : II)

h. m. Sec.

01 37 14



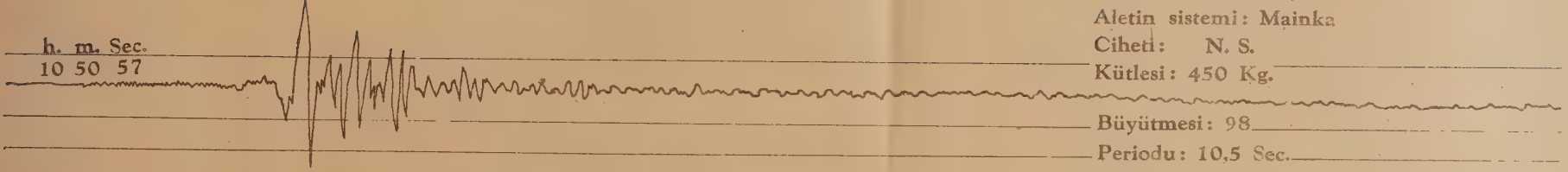
Ciheti: E. W.

Tarihi: 22 .X. 1939

Dikili zelzelesinin sismogramı

No 30

h. m. Sec.
10 50 57



Tercan zelzelesi

Tarihi: 21.XI.1939

Aletin sistemi: Mainka

Ciheti: N. S.

Kütlesi: 450 Kg.

Büyütmesi: 98

Periodu: 10,5 Sec.

(Sismogram : III)

h. m. Sec.
10 50 57



Tercan zelzelesi

Tarihi: 21.XI.1939

Aletin sistemi: Mainka

Ciheti: E. W.

Kütlesi: 450 Kg.

Büyütmesi: 98

Periodu: 10,5 Sec.

(Sismogram : III)

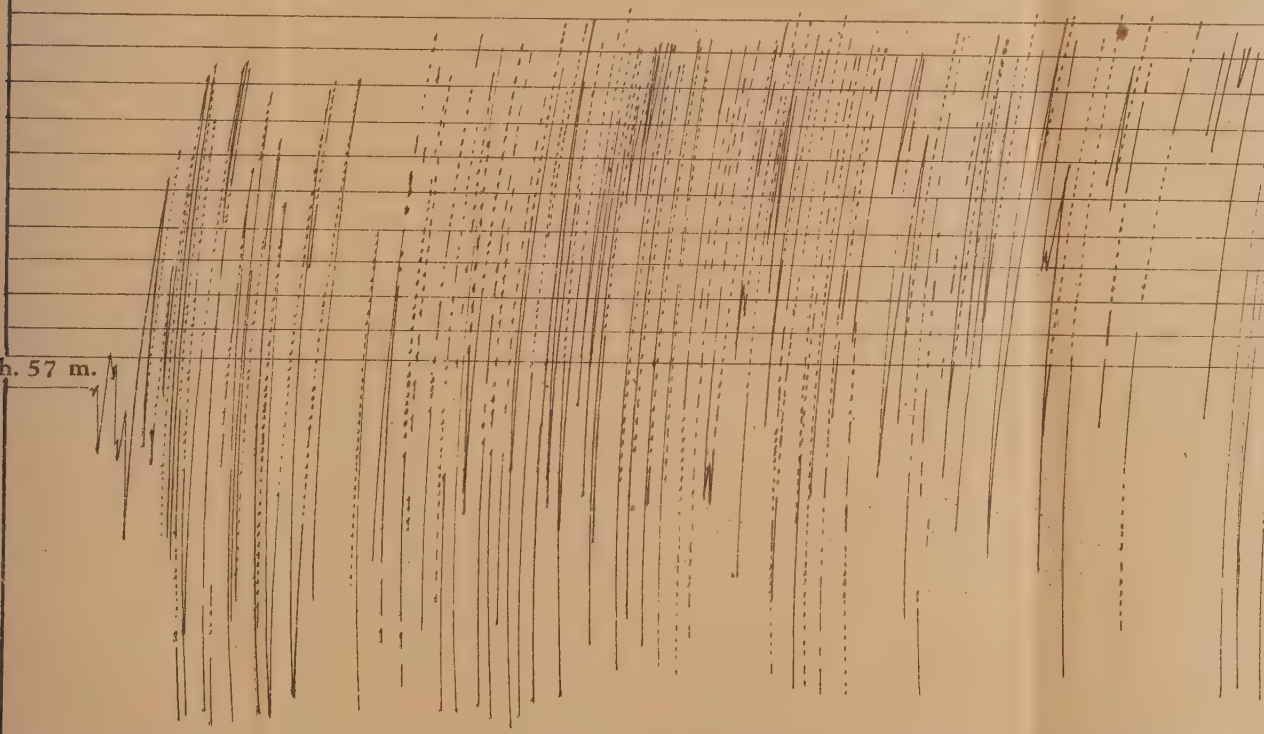
No 31

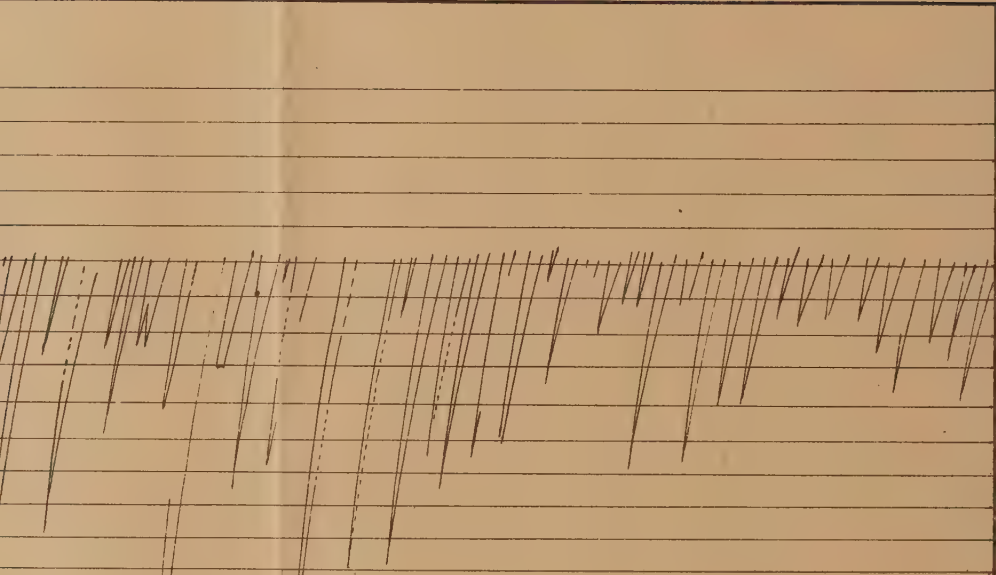
h. m.
1 57

Tarihi : 27 . XII . 1939
Aletin sistemi : Mainka
Ciheti : N . S .
Kütlesi : 450 Kg .
Büyütmesi : 98
Periodu : 10,5 Sec .
Ah :

Kandilli Rasathanesindeki sismografin Erzincan zelzelesini g

h. 57 m.





Tarihi: 27. XII. 1939
Aletin sistemi: Mainka
Cihazı: E. W.
Kütlesi: 450 Kg.
Büyütmesi: 98
Periodu: 10,5 Sec.
Ah:

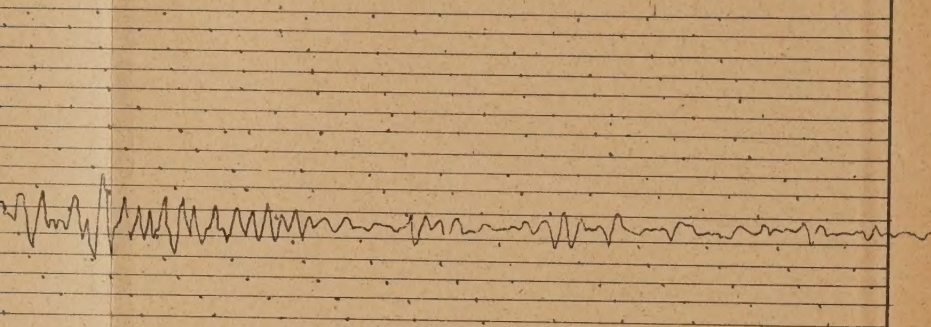
Kandilli Rasathanesindeki sismografin Erzincan

1 h. 57 m.

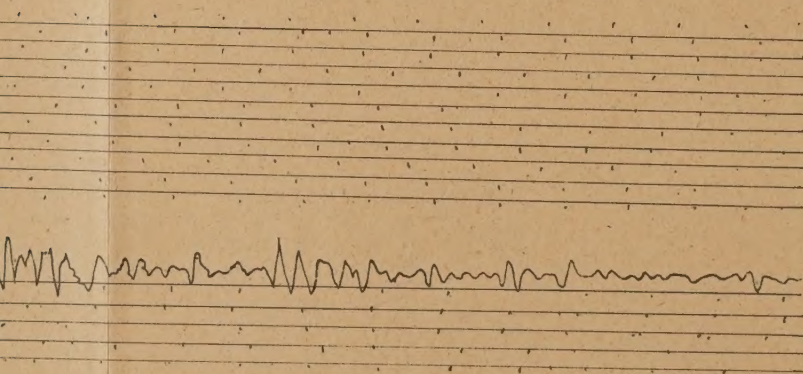
57 m.

Tarihi: 27. X.
Aletin sistemi
Ciheti: E W
Kütlesi 180
Büyütmesi, 8
Periodu: 6
Ah:

fiği



Composante N — S mürekkibesi



Composante E — W mürekkibesi

No. 34

Kâğıdın konduğu tarih : 26. XII. 1939

